Order No. MD0106144C2

# Service Manual

## AV Control Stereo Receiver

* DOLBY DIGITAL

** DIGITAL dts SURROUND

## SA-DA15

**Colour**

**(K) ... Black Type**

**(N) ... Gold Type**

**E ..... Europe**

**EB ... Great Britain**

**EG ... Germany and Italy**

## SPECIFICATIONS

## ■ FM Tuner Section

| | |
|---|---|
| **Frequency range** | **87.50-108.00 MHz** |
| **Sensitivity** | |
| **S/N 30 dB** | **1.5 μV/75 Ω** |
| **S/N 26 dB** | **1.3 μV/75 Ω** |
| **S/N 20 dB** | **1.2 μV/75 Ω** |
| **IHF usable sensitivity (IHF'58)** | **1.5 μV/75 Ω** |
| **IHF 46 dB stereo quieting sensitivity** | **22 μV/75 Ω** |
| **Total harmonic distortion** | |
| **MONO** | **0.2%** |
| **STEREO** | **0.3%** |
| **S/N** | |
| **MONO** | **60 dB (75 dB, IHF)** |
| **STEREO** | **58 dB (71 dB, IHF)** |
| **Frequency response** | |
| **20 Hz-15 kHz** | **+1 dB, -2 dB** |
| **Alternate channel selectivity** | |
| **±400 kHz** | **65 dB** |
| **Capture ratio** | **1.5 dB** |
| **Image rejection at 98 MHz** | **40 dB** |
| **IF rejection at 98 MHz** | **70 dB** |
| **Spurious response rejection at 98 MHz** | **70 dB** |
| **AM suppression** | **50 dB** |
| **Stereo separation** | |
| **1 kHz** | **40 dB** |
| **Carrier leak** | |
| **19 kHz** | **-30 dB (-35 dB, IHF)** |
| **38 kHz** | **-50 dB (-55 dB, IHF)** |
| **Channel balance (250 Hz-6.3 kHz)** | **±1.5 dB** |
| **Limiting point** | **1.2 μV** |
| **Bandwidth** | |
| **IF amplifier** | **180 kHz** |
| **FM demodulator** | **1000 kHz** |
| **Antenna terminal** | **75 Ω (unbalanced)** |

## ■ AM Tuner Section

| | |
|---|---|
| **Frequency range** | **522-1611 kHz (9 kHz steps)**<br>**530-1620 kHz (10 kHz steps)** |
| **Sensitivity** | **20 μV, 330 μV/m** |
| **Selectivity (at 999 kHz)** | **55 dB** |
| **IF rejection (at 999 kHz)** | **50 dB** |

## ■ Video Section

| | |
|---|---|
| **Output voltage at 1 V input (unbalanced)** | **1±0.1 Vp-p** |
| **Maximum input voltage** | **1.5 Vp-p** |
| **Input/output impedance** | **75 Ω (unbalanced)** |

## ■ Amplifier Section

**Power output**
**(at 230 V for Continental Europe)**

**(at 230 V for Continental Europe)**

| | |
|---|---|
| at 240 V for the United Kingdom) | |
| DIN 1 kHz (T.H.D. 1 %) | 2 x 100 W (6 Ω) |
| 20 Hz - 20 kHz continuous power output | |
| both channels driven | 2 x 80 W (6 Ω) |
| Total harmonic distortion | |
| rated power at 20 Hz-20 kHz | 0.05 % (6 Ω) |
| half power at 1 kHz | 0.03 % (6 Ω) |
| DVD 6CH power output | |
| DIN 1 kHz (T.H.D. 1 %) | |
| Front | 2 x 100 W (6 Ω) |
| Center | 100 W (6 Ω) |
| Surround | 2 x 100 W (6 Ω) |
| Power bandwidth | |
| both channels driven, -3 dB | 10 Hz-100 kHz (6 Ω, 0.9 %) |
| Damping factor | 30 (6 Ω) |
| Load impedance | |
| Front | |
| A or B | 4 - 16 Ω |
| A and B | 8 - 16 Ω |
| BI-WIRE | 6 - 16 Ω |
| Center | 6 - 16 Ω |
| Surround | 6 - 16 Ω |
| Frequency response | |
| PHONO | RIAA standard curve (30 Hz-15kHz) ±0.8 dB |
| CD, TAPE/MD, DVD, TV, VCR1, VCR2, VCR3 | 10 Hz-100 kHz, ±3 dB |
| Input sensitivity and impedance | |
| PHONO | 3 mV/47 k Ω |
| CD, TAPE/MD, DVD, TV, VCR1, VCR2, VCR3 | 200 mV/22 k Ω |
| S/N at rated power (6 Ω) (VGCA ON) | |
| PHONO | 70 dB (IHF, A: 80 dB) |
| CD, TAPE/MD, DVD (L/R/C/LS/RS), TV, VCR1, VCR2, VCR3 | 113 dB (IHF A, rated power, S=2 V), 98 dB (IHF, A:100 dB) |
| Tone controls | |
| BASS | 50 Hz, +10 to -10 dB |
| TREBLE | 20 kHz, +10 to -10 dB |
| Output voltage | |
| TAPE/MD REC (OUT), VCR 1 OUT | 200 mV |
| Channel balance (250 Hz-6.3 kHz) | ±1 dB |
| Channel separation | 55 dB |
| Headphones output level and impedance | 430 mV/330 Ω |
| Subwoofer frequency response (-6 dB) | 7 - 200 Hz |

■ General

| | |
|---|---|
| Power supply | |
| For Continental Europe | AC 230 V, 50 Hz |
| For the United Kingdom | AC 230-240 V, 50 Hz |
| Power consumption | 270 W |

| | |
|---|---|
| **Dimensions (W x H x D)** | **430 x 180 x 370 mm** |
| **Mass** | **13.7 kg** |
| **Power consumption in standby mode:** | **2 W** |

**Notes:**

**1. Specifications are subject to change without notice. / Mass and dimensions are approximate.**

**2. Total harmonic distortion is measured by the digital spectrum analyzer.**

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**** Manufactured under license from Digital Theater System. "DTS" and "DTS Digital Surround" are trademarks of Digital Theater System.**

**⚠ WARNING**

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Technics®

# 1. Before Repair and Adjustment

**Disconnect AC power, discharge Power Supply Capacitors C1702, C703~C706, C742, C901, C904 through a 10 Ω, 5 W resistor to ground. DO NOT SHORT-CIRCUIT DIRECTLY (with a screw driver blade, for instance), as this may destroy solid state devices.**
**After repairs are completed, restore power gradually using a variac, to avoid over current.**
**Current consumption at AC 230 V, 50 Hz in NO SIGNAL mode should be 150~550 mA (E/EG).**
**Current consumption at AC 230/240 V, 50 Hz in NO SIGNAL mode should be 150~550 mA (EB).**

# 2. Protection Circuitry

**The protection circuitry may have operated if either of the following conditions are noticed:**

## - No sound is heard when the power is turned on.

## - Stops during a performance.

**The function of this circuitry is to prevent circuitry damage if, for example, the positive and negative speaker connection wires are "shorted", or if speaker systems with an impedance less than the indicated rated impedance of the amplifier are used.**
**If this occurs, follow the procedure outlines below:**

## 1. Turn off the power.

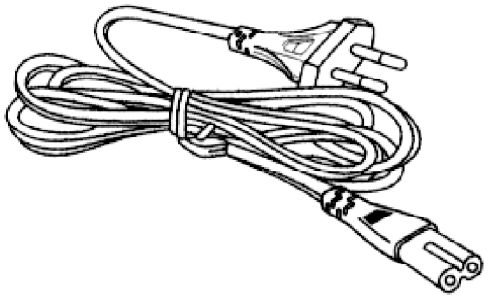
## 2. Determine the cause of the problem and correct it.

## 3. Turn on the power once again after one minute.

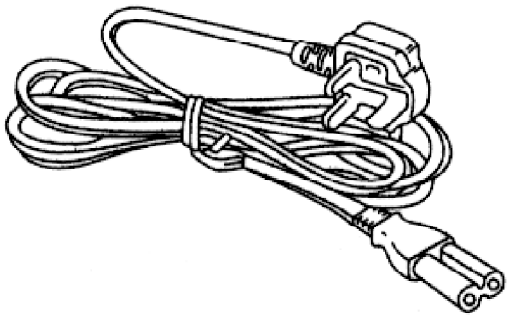
**Note:**
**When the protection circuitry functions, the unit will not operate unless the power is first turned off and then on again.**

# 3. Accessories

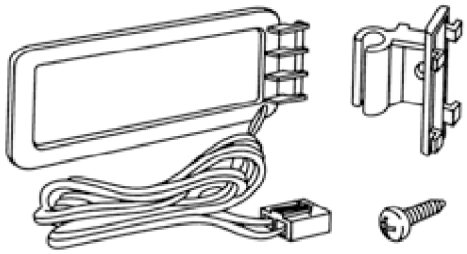
**AC power supply cord (E/EG)... 1 pc.**



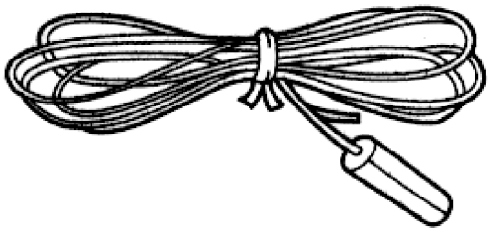
**AC power supply cord (EB)... 1 pc.**



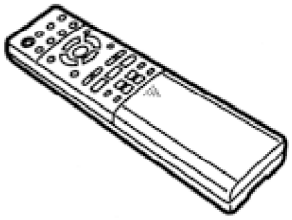
**AM Loop Antenna Set.... 1 set.**



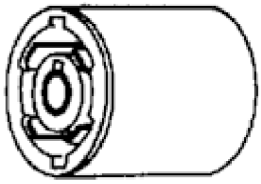
**FM Indoor Antenna... 1 pc.**



**Remote Control / Transmitter... 1 pc.**



**Antenna Plug (EB)... 1 pc.**



# 4. Caution of AC Mains Lead

**(For "EB" area code model only.)**

For your safety, please read the following text carefully.

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.
A 5-ampere fuse is fitted in this plug.
Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5-ampere and that it is approved by ASTA or BSI to BS1362.

Check for the ASTA mark or the BSI mark on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.
If you lose the fuse cover, the plug must not be used until a replacement cover is obtained.
A replacement fuse cover can be purchased from your local dealer.

**CAUTION!**
IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OFF SAFELY.
THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13-AMPERE SOCKET.

If a new plug is to be fitted, please observe the wiring code as shown below.
If in any doubt please consult a qualified electrician.

**IMPORTANT**
The wires in this mains lead are coloured in accordance with the following code:

| | |
|---|---|
| Blue: | Neutral |
| Brown: | Live |

As these colours may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
The wire which is coloured Blue must be connected to the terminal which is marked with the letter N or coloured Black or Blue.

The wire which is coloured Brown must be connected to the terminal which is marked with the letter L or coloured Brown or Red.

**WARNING: DO NOT CONNECT EITHER WIRE TO THE EARTH TERMINAL WHICH IS MARKED WITH THE LETTER E, BY THE EARTH SYMBOL ⏚ OR COLOURED GREEN OR GREEN/YELLOW.**

**THIS PLUG IS NOT WATERPROOF—KEEP DRY.**

**Before use**
Remove the connector cover.

**How to replace the fuse**
The location of the fuse differ according to the type of AC mains plug (figures A and B). Confirm the AC mains plug fitted and follow the instructions below.
Illustrations may differ from actual AC mains plug.

1. Open the fuse cover with a screwdriver.

Figure A

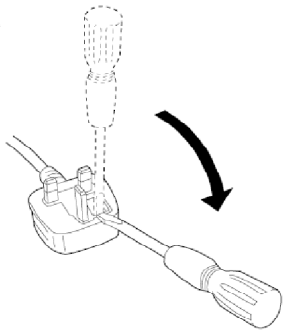
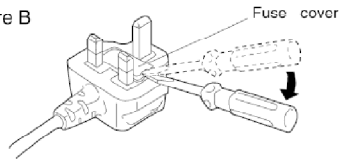


Figure B




2. Replace the fuse and close or attach the fuse cover.

Figure A

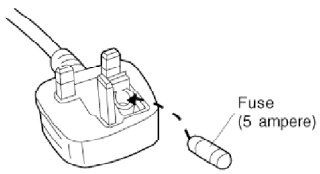
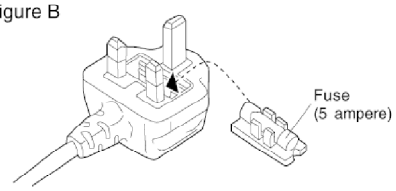
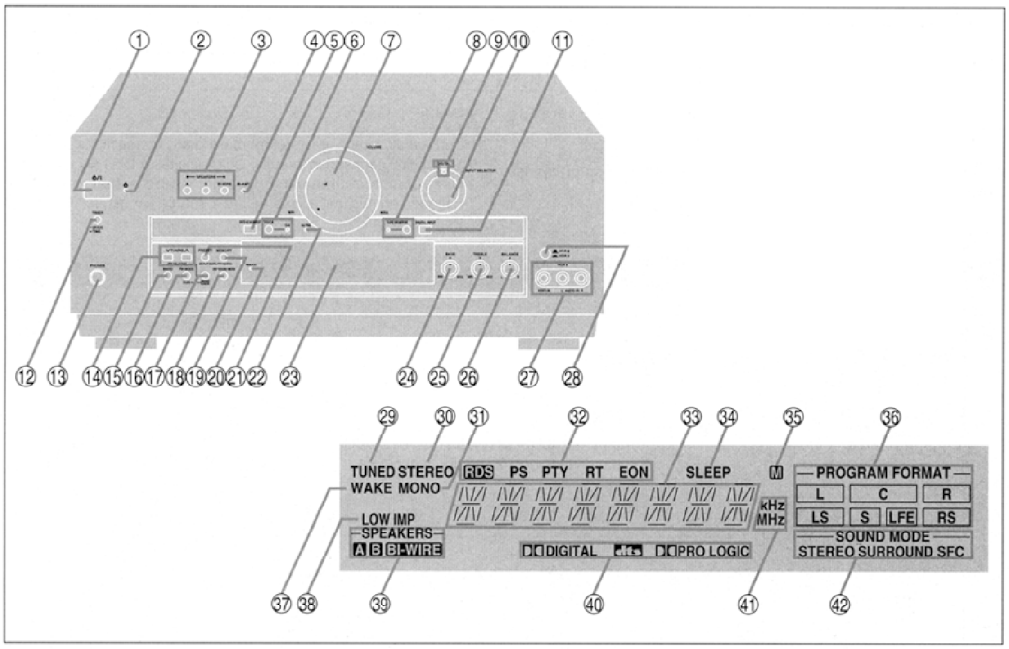



Figure B




# 5. Front Panel Controls

## 5.1. Front Panel



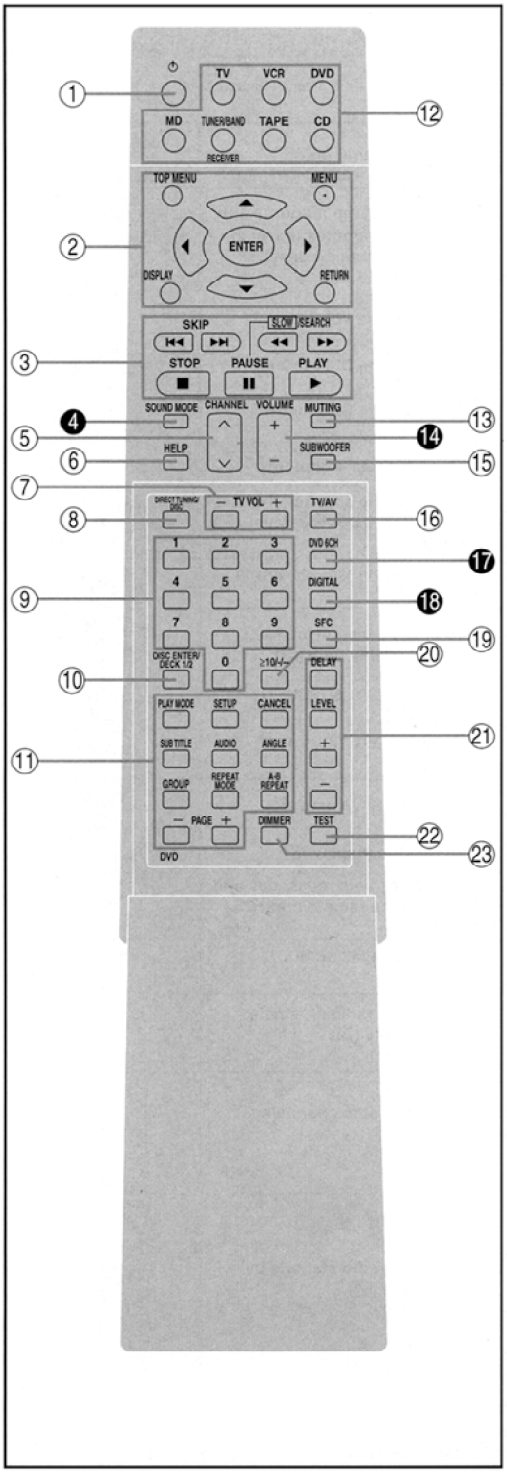

### Main unit

① Standby/on switch [⏻/I]
Press to switch the unit from on to standby mode or vice versa. In standby mode, the unit is still consuming a small amount of power.
② Standby indicator [⏻]
When the unit is connected to the AC mains supply, this indicator lights up in standby mode and goes out when the unit is turned on.
③ Speaker select buttons [SPEAKERS, A, B, BI-WIRE]
④ Bi-amp indicator [BI-AMP]
⑤ DVD 6ch input select button [DVD 6CH INPUT]
⑥ VGCA button/indicator [VGCA, ON]
⑦ Volume control [VOLUME]
⑧ Tape monitor button/indicator [TAPE MONITOR]
⑨ Digital input indicator [DIGITAL]
⑩ Input selector [INPUT SELECTOR]
⑪ Digital input select button [DIGITAL INPUT]
⑫ Timer button [TIMER, -MODE, –TIME]
⑬ Headphone jack [PHONES]
⑭ Tuning/PTY select buttons [TUNING, ∨, ∧, PTY SELECTOR]
⑮ Band select button [BAND]
⑯ FM mode select/EON button [FM MODE, EON]
⑰ RDS button [RDS]
⑱ DSP sound mode select button [DSP SOUND MODE]
⑲ Memory/PTY search button [MEMORY, PTY SEARCH]
⑳ Wake indicator [WAKE]
㉑ Preset channel/display mode button [PRESET, DISPLAY MODE]
㉒ Via tone indicator [VIA TONE]
㉓ Display section
㉔ Bass control [BASS]
㉕ Treble control [TREBLE]
㉖ Balance control [BALANCE]
㉗ VCR 3 terminals [VCR 3]
㉘ VCR 2/VCR 3 select button [▬ VCR 2, ▬ VCR 3]

### Display section

㉙ Tuned indicator [TUNED]
㉚ Stereo indicator [STEREO]
㉛ Monaural indicator [MONO]
㉜ RDS indicators [RDS, PS, PTY, RT, EON]
㉝ Display
㉞ Sleep indicator [SLEEP]
㉟ Memory indicator [M]
㊱ Program format indicators [–PROGRAM FORMAT–, L, C, R, LS, S, LFE, RS]
㊲ Wake indicator [WAKE]
㊳ Low impedance indicator [LOW IMP]
㊴ Front speaker indicators [-SPEAKERS-, A, B, BI-WIRE]
㊵ Signal format indicators [DIGITAL, dts, PRO LOGIC]
㊶ Frequency unit indicators [kHz, MHz]
㊷ DSP sound mode indicators [–SOUND MODE–, STEREO, SURROUND, SFC]

## 5.2. Remote Control




## Button guide

**Buttons ❹, ❿, ⓱ and ⓲ function in the same way as the controls on the main unit.**

① [⏻]
for turning the equipment on and off
..... RCVR , DISC , TV , VCR , TAPE

② [TOP MENU, MENU, DISPLAY, RETURN, ENTER, ▲, ▼, ◀, ▶]
for operating a DVD player..... DISC

③ [SKIP ⏮ ⏭, SLOW/SEARCH ◀◀ ▶▶, STOP ■, PAUSE ❚❚, PLAY ▶]
for controlling disc and tape play
..... DISC , VCR , TAPE

❹ [SOUND MODE]
for selecting the DSP sound mode ..... RCVR

⑤ [CHANNEL, ∧, ∨]
for changing channels sequentially
..... RCVR , TV , VCR

⑥ [HELP]
for displaying help messages and confirming the remote control mode ..... RCVR

⑦ [– TV VOL +]
for adjusting the television's volume..... TV

⑧ [DIRECT TUNING/DISC]
for selecting radio stations by frequency and disc number
..... RCVR , DISC

⑨ [1, 2, 3, 4, 5, 6, 7, 8, 9, 0]
for selecting numbers
..... RCVR , DISC , TV , VCR

⑩ [DISC ENTER/DECK 1/2]
for confirming disc selection and selecting deck 1or 2
..... DISC , TAPE

⑪ [PLAY MODE, SETUP, CANCEL, SUB TITLE, AUDIO, ANGLE, GROUP, REPEAT MODE, A-B REPEAT, – PAGE +]
for operating a DVD player..... DISC

⑫ [TV, VCR, DVD, MD, TUNER/BAND RECEIVER, TAPE, CD]
for selecting input source and switching the remote control mode..... RCVR , DISC , TV , VCR , TAPE
One of these buttons lights when you press any other button to indicate the current remote control mode.

⑬ [MUTING]
for muting the volume ..... RCVR

⑭ [VOLUME, +, –]
for adjusting the volume ..... RCVR

⑮ [SUBWOOFER]
for adjusting subwoofer output level..... RCVR

⑯ [TV/AV]
for selecting the television's input mode ..... TV

⑰ [DVD 6CH]
for selecting the DVD 6CH INPUT mode..... RCVR

⑱ [DIGITAL]
for selecting the DIGITAL INPUT mode ..... RCVR

⑲ [SFC]
for selecting SFC mode..... RCVR

⑳ [≥10/-/--]
for entering two digit numbers
..... RCVR , DISC , TV , VCR

㉑ [DELAY, LEVEL, +, –]
for adjusting speaker delay time and output level ... RCVR

㉒ [TEST]
for starting the speaker test signal ..... RCVR

㉓ [DIMMER]
for dimming the display ..... RCVR

# 6. Disassembly and Main Component Replacement Procedures

**"ATTENTION SERVICER"**

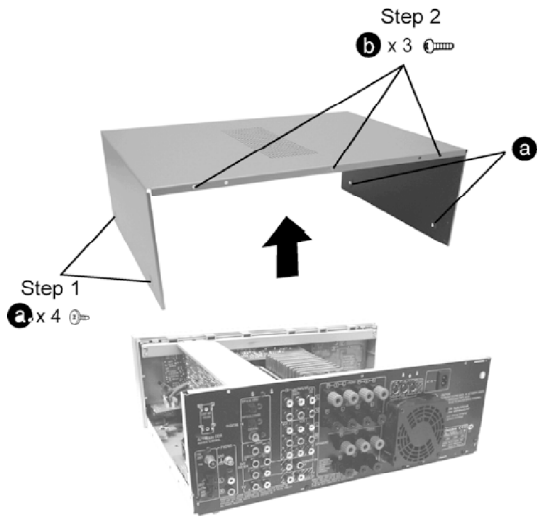
**Some chassis components maybe have sharp edges. Be careful when diassembling and servicing.**

1. This section describes procedures for checking the operation of the major printed circuit boards and replacing the main components.
2. For reassembly after operation checks or replacement, reverse the respective procedures. / Special reassembly procedures are described only when required.
3. Select items from the following index when checks or replacement are required.

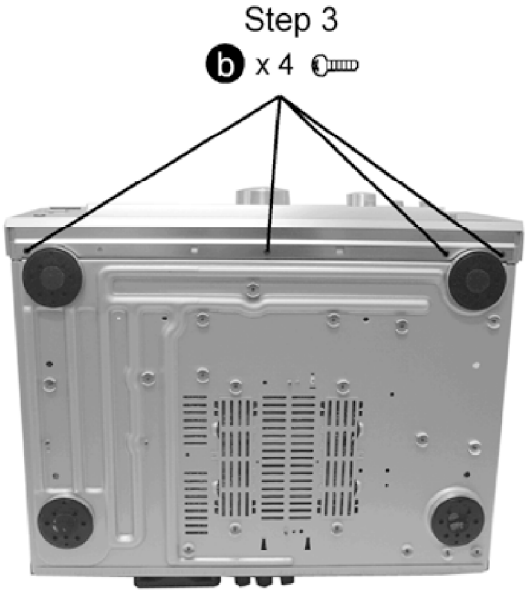
**Content**


- Disassembly Procedure for each major P.C.B. ..... P.g. 7~10
- Main Component Replacement Procedures
  1. Replacement of the Power IC and Regulator Transistor..... P.g. 11~12
  2. Installation of the bottom cover after replacement..... ..... P.g. 12

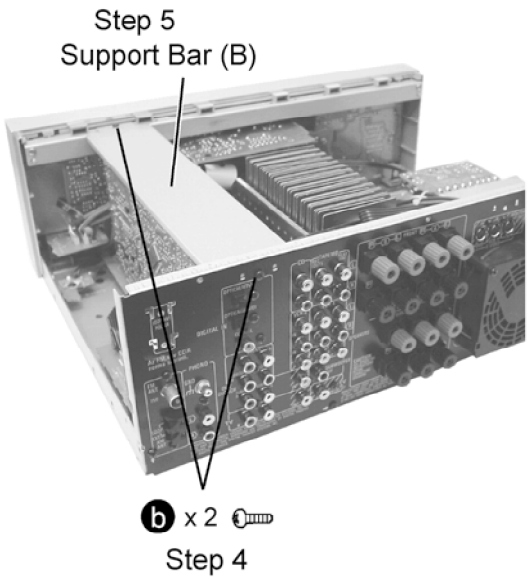

## 6.1. Disassembly Procedure for each major P.C.B.



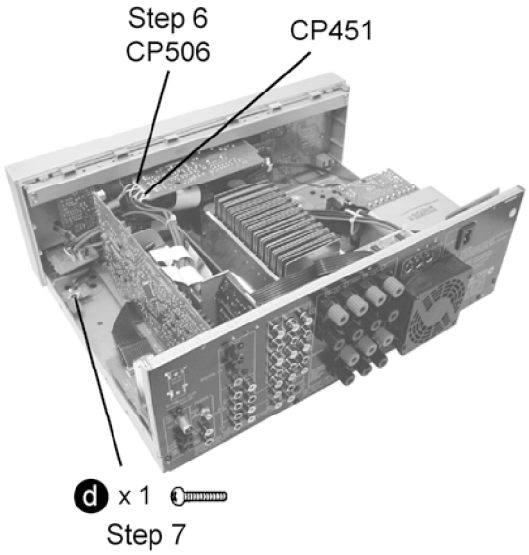

**Step 1 & Step 2 Unscrew and remove top cabinet as shown.**



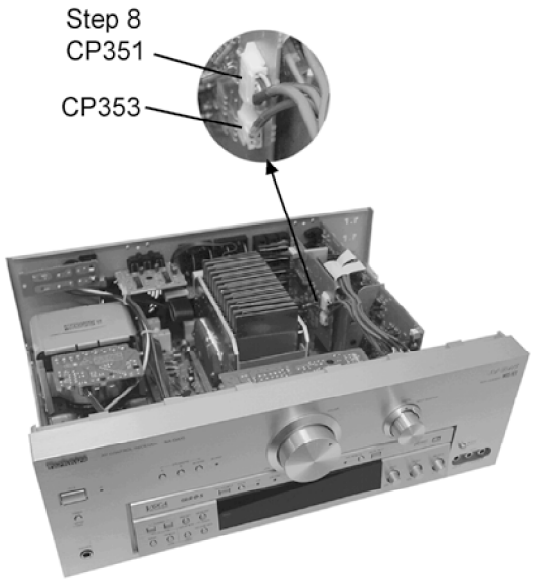

**Step 3 Remove all the screws.**



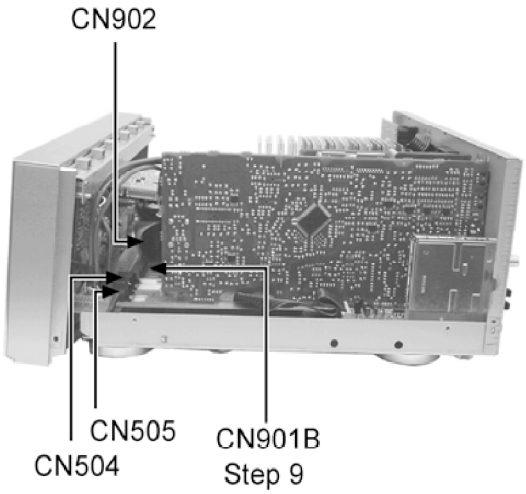

**Step 4 Remove the screws.**
**Step 5 Remove the support bar (B).**



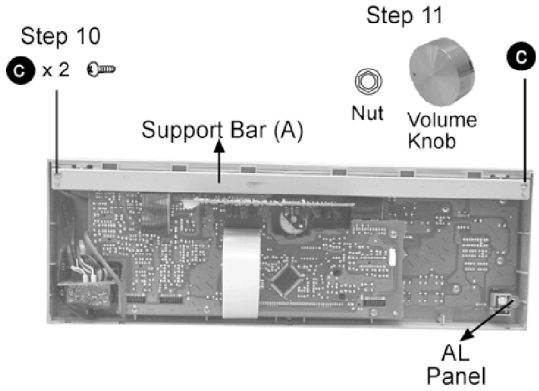

**Step 6 Release the connectors CP506 and CP451.**
**Step 7 Remove the screw.**



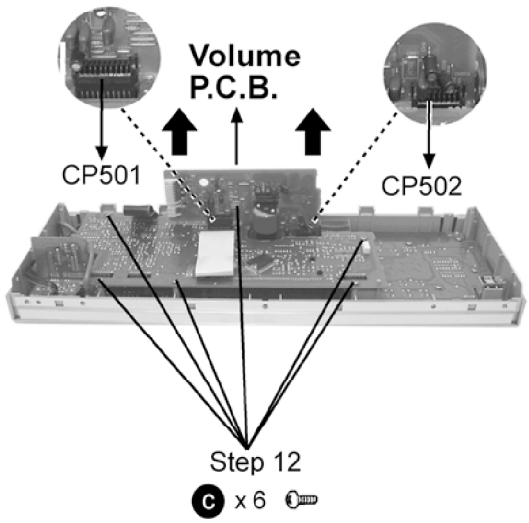

**Step 8 Release the connector CP351 and CP353.**



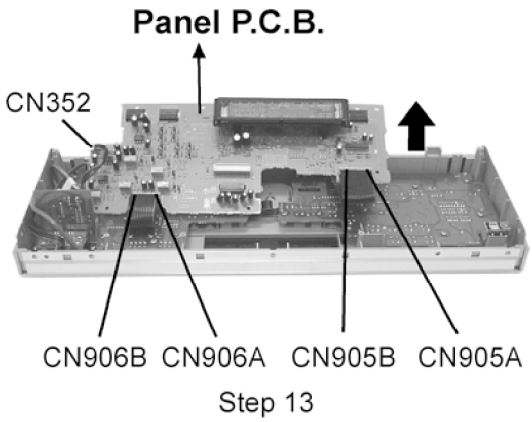
**Step 9 Release the flat cable from CN901B.**
**Take note of CN504, CN505 and CN902.**



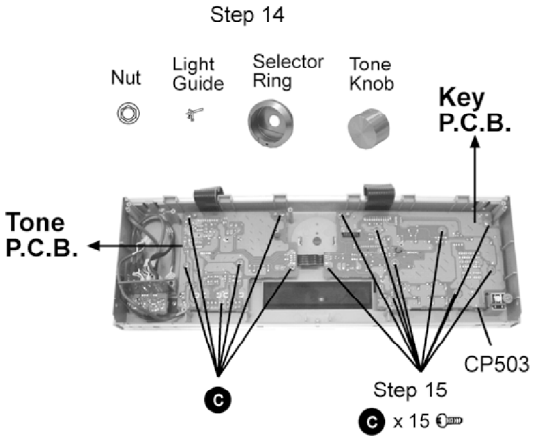

**Step 10 Remove all the screws and support bar (A).**
**Step 11 Unscrew the nut from AL Panel and remove the Volume Knob.**



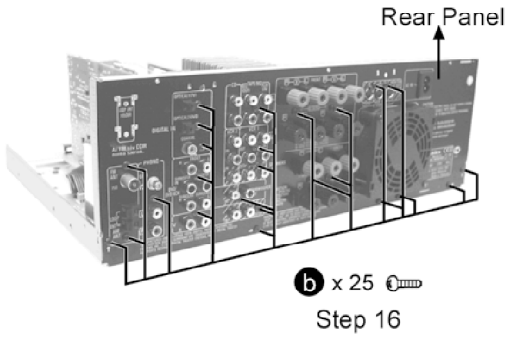

**Step 12 Remove ll the screws and pull the Volume P.C.B. up as shown.**
**Take note of CP501 and CP502.**



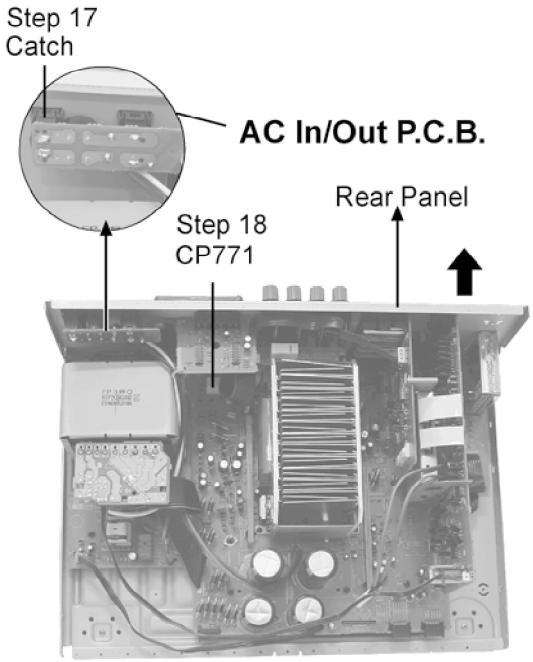

**Step 13 Lift up Panel P.C.B. and remove all connectors.**



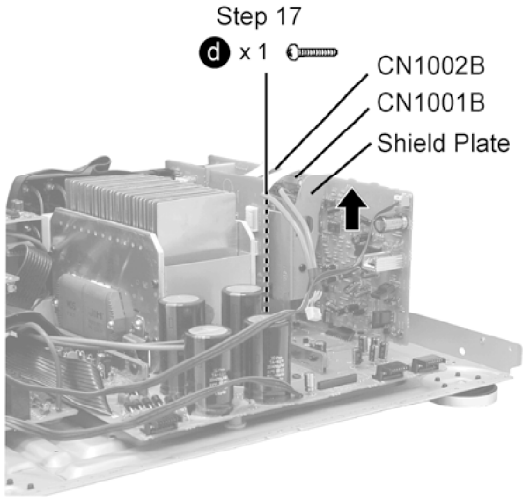

**Step 14 Remove Tone Knob, Selector Ring, Light Guide and unscrew the nut.**
**Step 15 Remove all the screws. / Take note of CP503.**



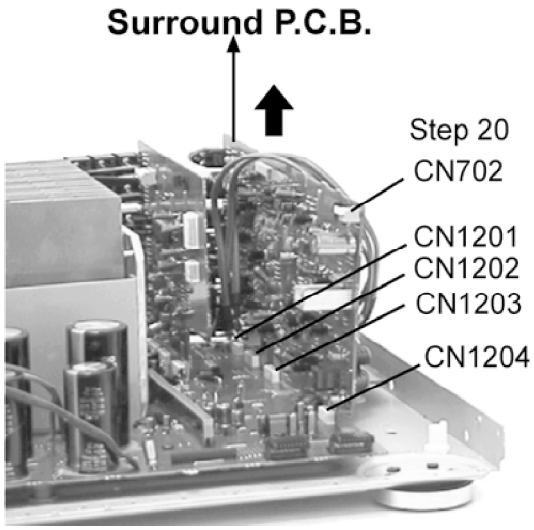

**Step 16 Remove all the screws.**



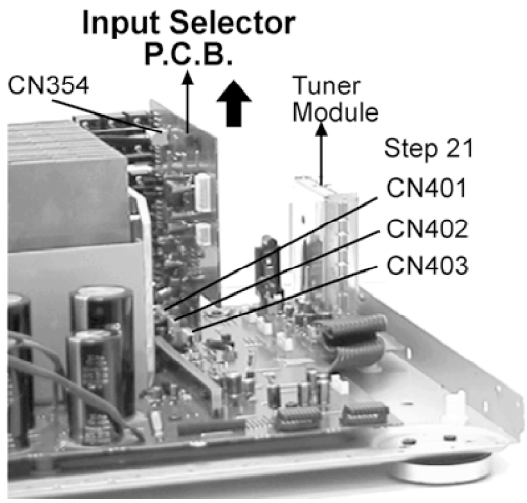

**Step 17 Release the AC In/Out P.C.B. catch.**
**Step 18 Release the CP771 and pull out the rear panel in the direction shown.**



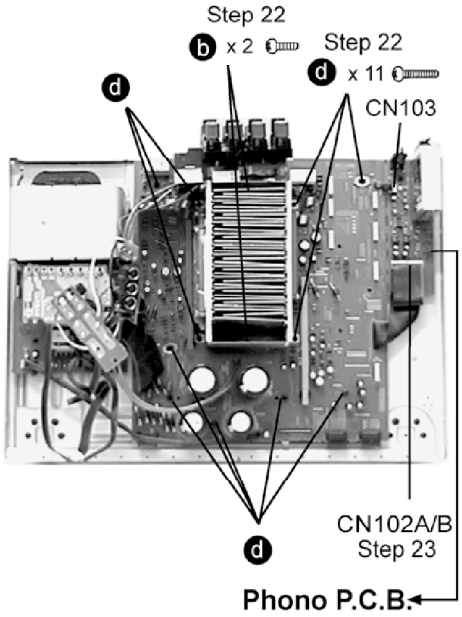

**Step 19 Remove the screw, CN1001B, CN1002B and Shield Plate.**



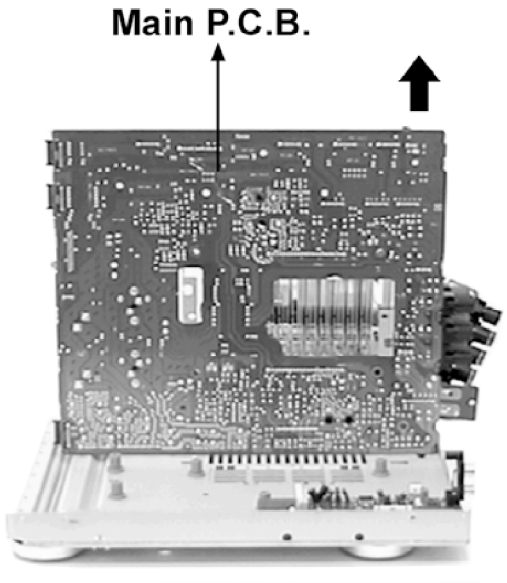

**Step 20 Release the CN702 and pull out the Surround P.C.B. in the direction shown. / Take note of CN1201 to CN1204.**

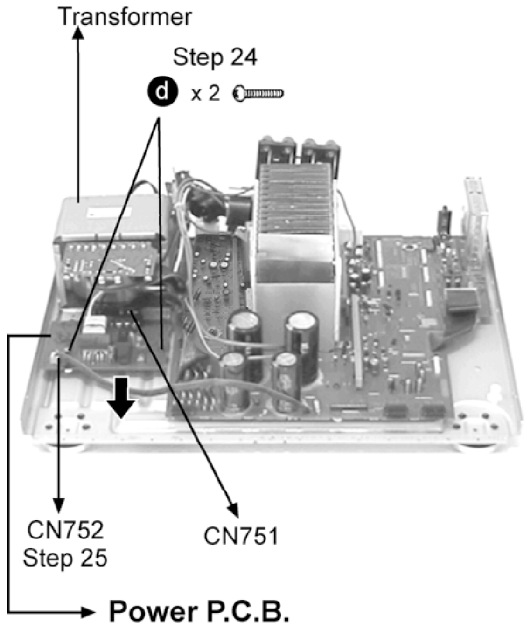



**Step 21 Release the CN354 and pull out the Input Selector P.C.B. in the direction shown. / Take note of CN401 to CN403.**



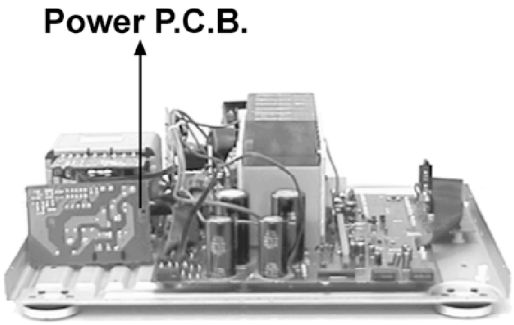

**Step 22 Remove all the screws.**
**Step 23 Release the CN102A/B and CN103 from the Phono P.C.B..**






**Step 24 Remove all the screws.**

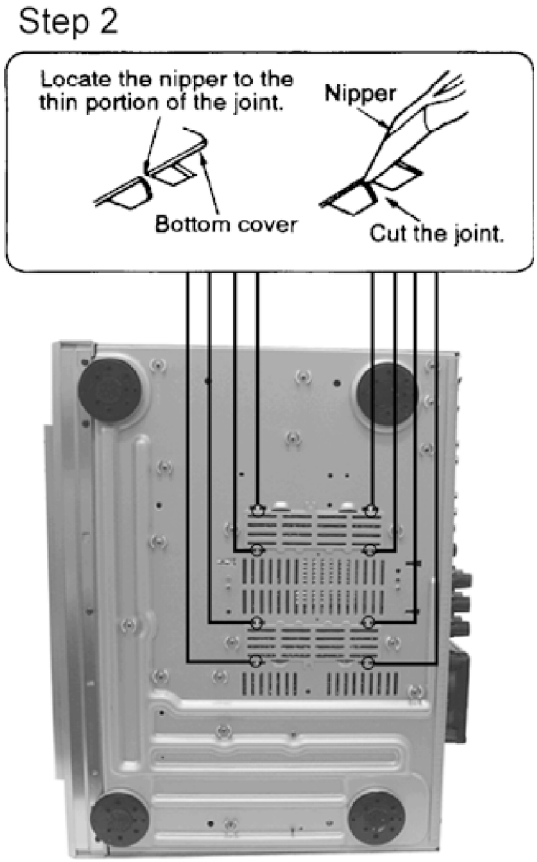
**Step 25 Release the CN751 and CN752 from the Power P.C.B.. Pull out in the direction shown.**



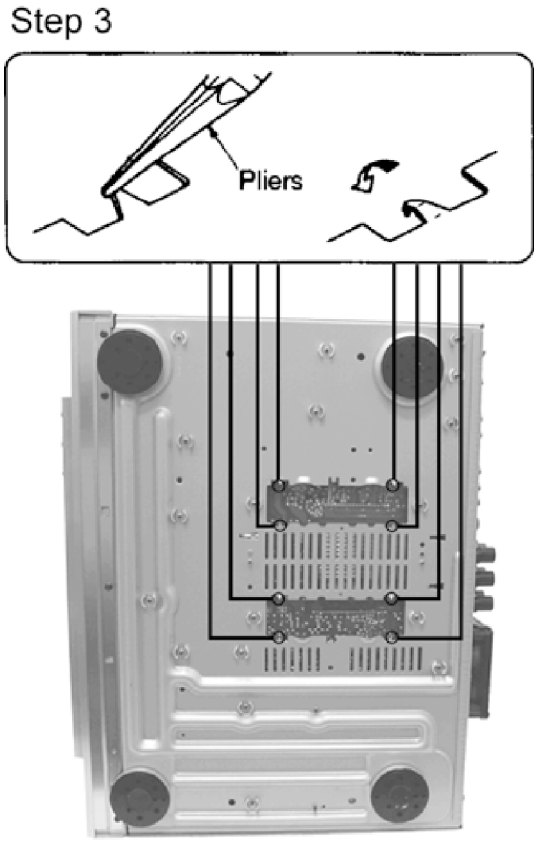

## 6.2. Main Component Replacement Procedures

### 6.2.1. Replacement of the Power IC and Regulator Transistor

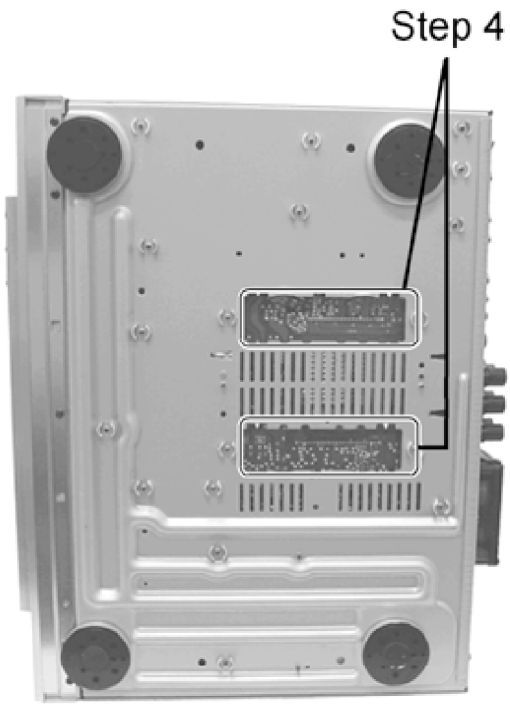
**Step 1 Remove the top cabinet.**



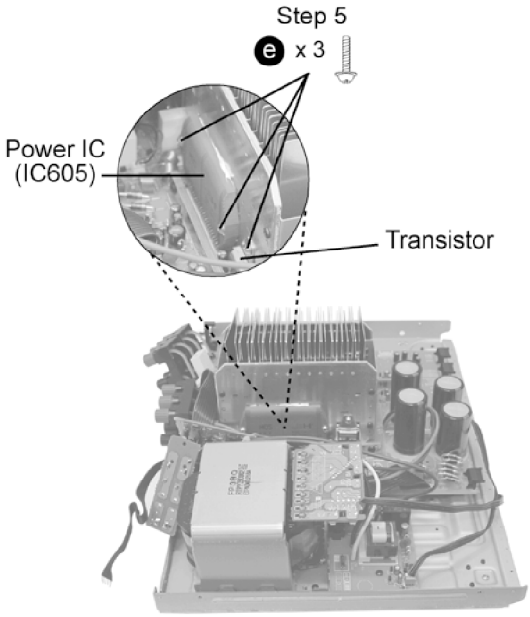

**Step 2 Cut the joints as shown below. (8 joints)**



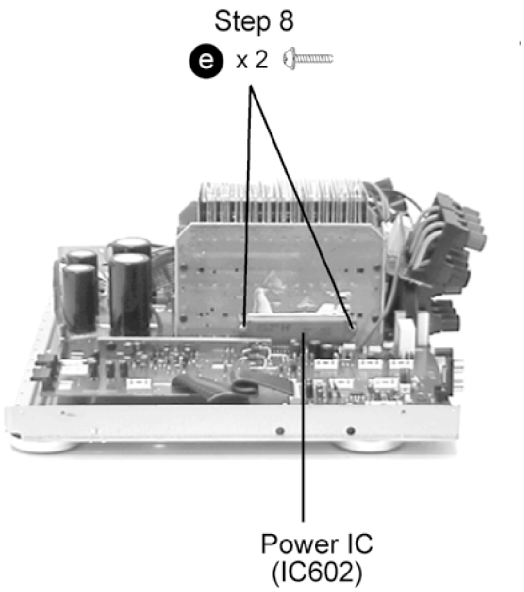

**Step 3 Fold the joints. (8 joints)**




**Step 4 Desolder the terminals of Power IC and Regulator Transistor.**

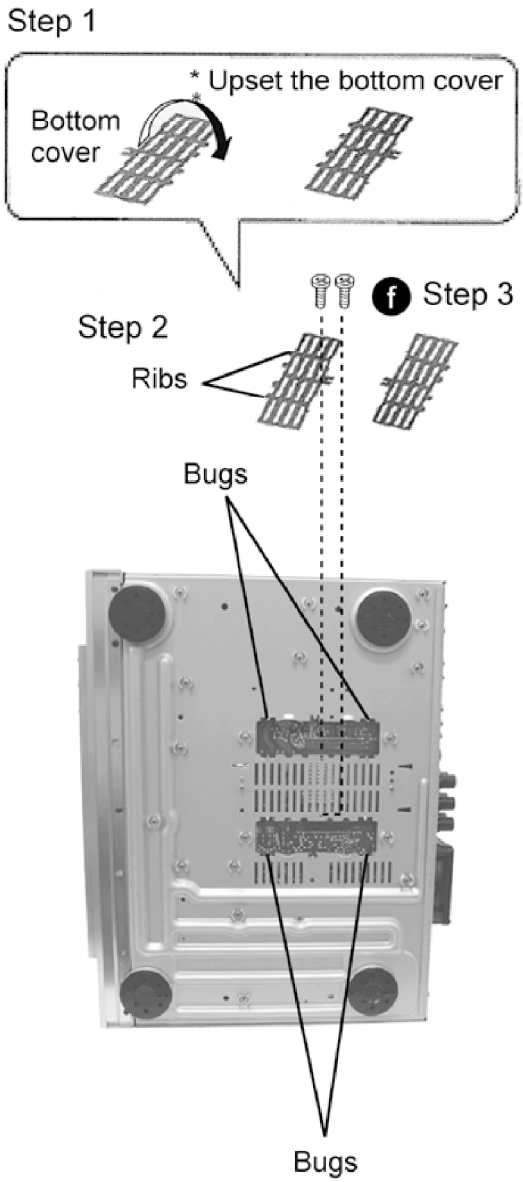



**Step 5 Remove all the screws and remove IC601.**




**Step 6 Remove all the screws at the rear panel and pull out Shield Plate, Surround P.C.B. and Input Selector P.C.B. from Main P.C.B..**
**Step 7 Remove the two screws from IC602.**

### 6.2.2. Installation of the bottom cover after replacement




**Step 1 Upset the bottom cover.**
**Step 2 Align the ribs of bottom cover into the bugs.**
**Step 3 Prepare the screws to fix the bottom cover.**

# 7. Block Diagram

# 8. Schematic Diagram

**(All schematic diagrams may be modified at any time with the development of new technology.)**
**Notes:**

| | |
|---|---|
| S301 | Slide Switch |
| S901 | Power Switch |
| S902 | Speaker B Switch |
| S903 | Band Switch |
| S904 | FM Mode Switch |
| S905 | Tuning Down Switch |
| S906 | Tuning Up Switch |
| S907 | Memory Switch |
| S908 | Preset Switch |
| S909 | Display Mode Switch |
| S911 | Speaker A Switch |
| S912 | Bi-Wire Switch |
| S913 | VGCA Switch |
| S914 | DVD 6CH Input Switch |
| S915 | Timer Switch |
| S916 | RDS Switch |
| S917 | Digital Input Switch |
| S918 | Tape Monitor Switch |

- The voltage value and waveforms are the reference voltage of this unit measured by DC electronic voltmeter (high impedance) and oscilloscope on the basis of chassis. Accordingly, there may arise some error in voltage values and waveforms depending upon the internal impedance of the tester or the measuring unit.

< > ...FM
( ) ...AM

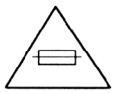
- Importance safety notice:
  Components identifed by ⚠ mark have special characteristics important for safety. Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

**Caution!**

IC, LSI and VLSI are sensitive to static electricity.
Secondary trouble can be prevented by taking care during repair.
- Cover the parts boxes made of plastics with aluminium foil.
- Put a conductive mat on the work table.
- Ground the soldering iron.

**- Do not touch the pins of IC, LSI or VLSI with fingers directly.**

**CAUTION :** FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH SAME TYPE **F1 T3.15A 125V FUSE, F3, F4 T6.3A 125V FUSE, F5 T1A 125V FUSE.**



RISK OF FIRE-REPLACE FUSE AS MARKED.

**FUSE CAUTION**



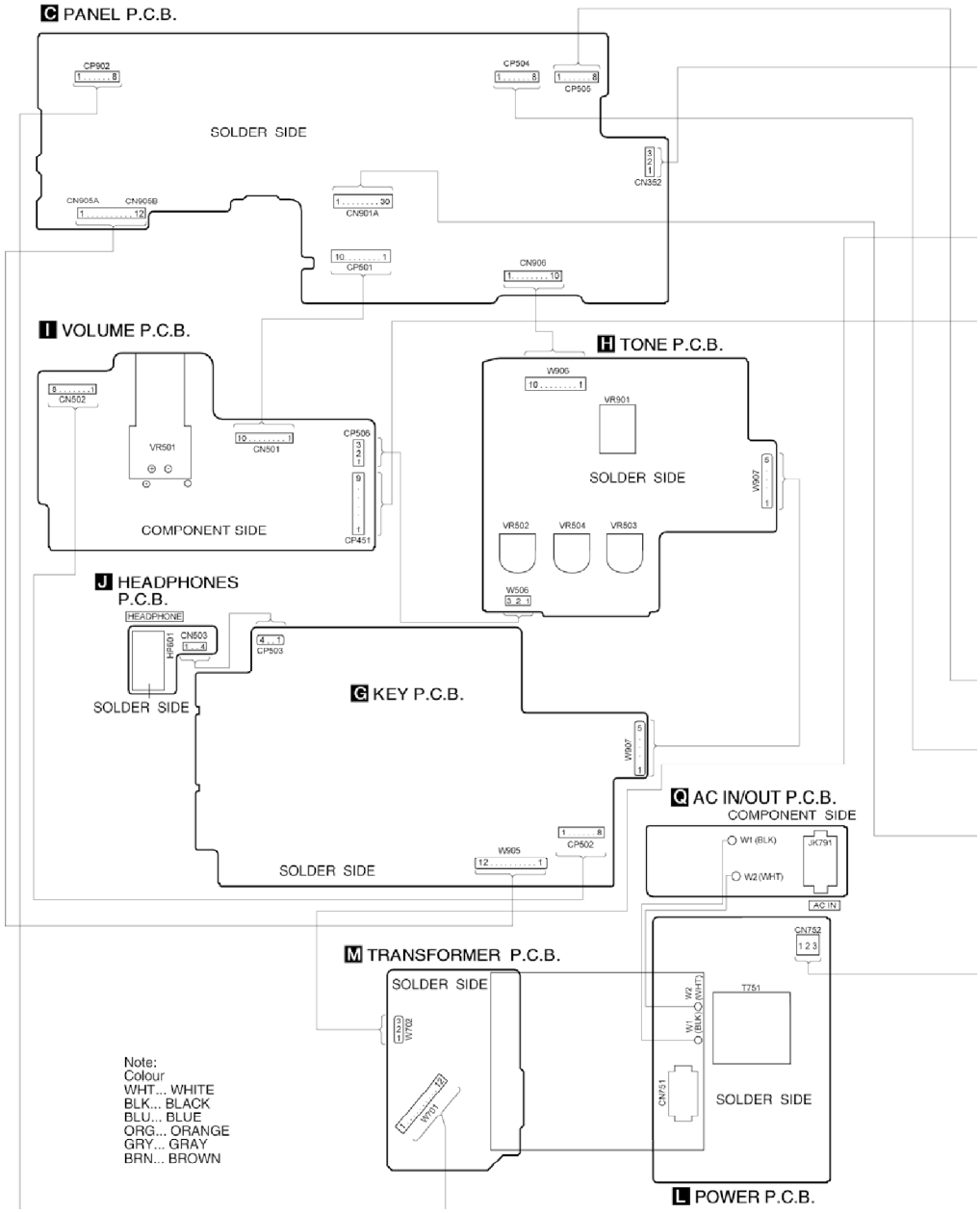
These symbols located near the fuse indicates that the fuse used is a fast operating type. For continued protection against fire harzard, replace with the same type fuse. For fuse rating, refer to the marking adjacent to the symbol.

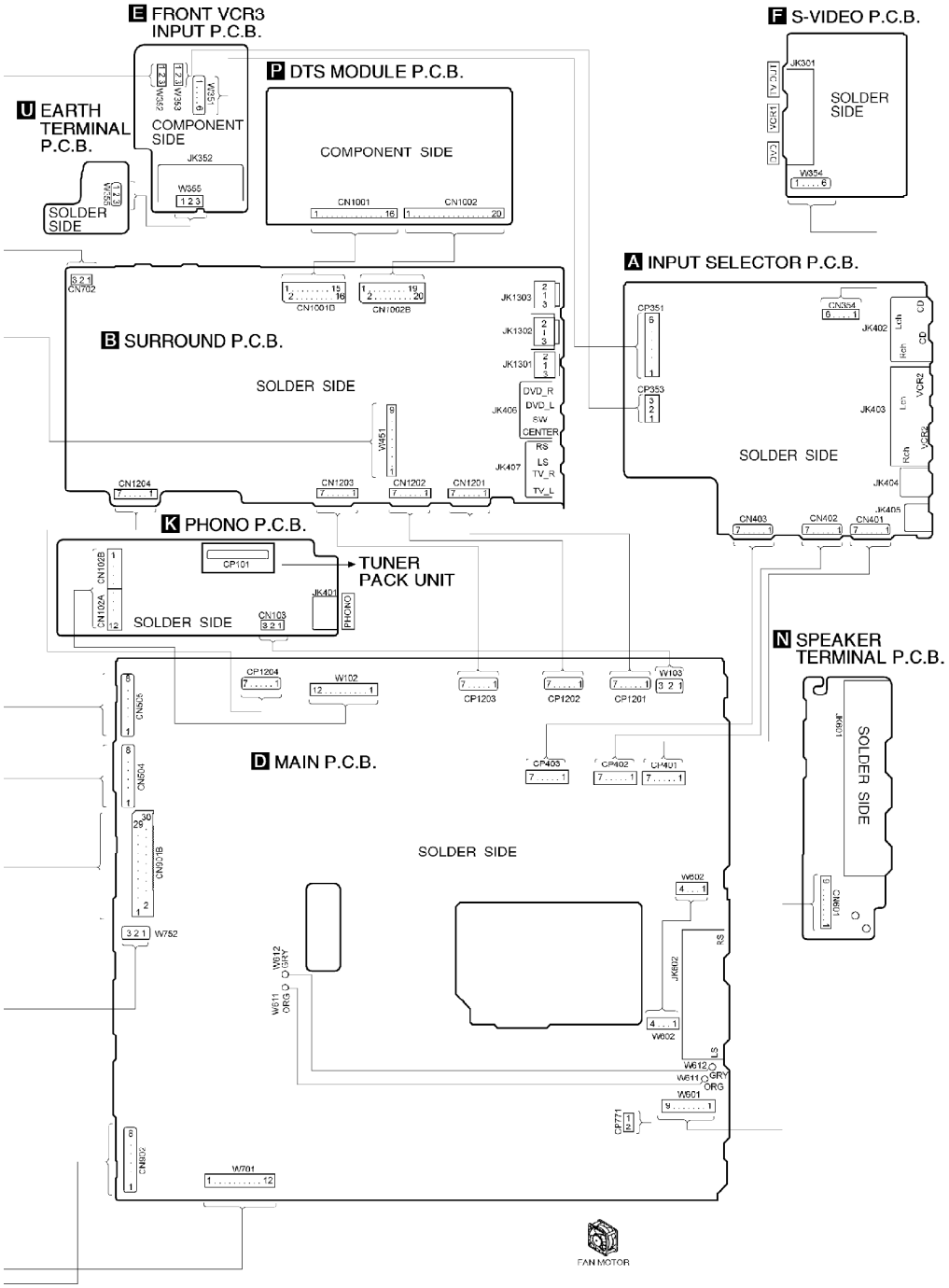


Ce symbole indique que le fusible utilisé est à rapide. Pour une protection permanente, n' utiliser que des fusibles de même type. Ce dernier est indiqué là qù le présent symbole est apposé.

# 9. Printed Circuit Board

# 10. Wiring Connection Diagram


C PANEL P.C.B.
SOLDER SIDE
CP902
CP504
CP505
CN352
CN905A
CN905B
CN901A
CP501
CN906
I VOLUME P.C.B.
CN502
VR501
CN501
CP506
CP451
COMPONENT SIDE
H TONE P.C.B.
W905
VR901
SOLDER SIDE
W907
VR502
VR504
VR503
W506
J HEADPHONES P.C.B.
HEADPHONE
HP501
CN503
CP503
SOLDER SIDE
G KEY P.C.B.
W907
Q AC IN/OUT P.C.B.
COMPONENT SIDE
W1 (BLK)
W2 (WHT)
JK791
AC IN
W905
CP502
SOLDER SIDE
CN752
M TRANSFORMER P.C.B.
SOLDER SIDE
W702
W701
T751
W2 (WHT)
W1 (BLK)
CN751
SOLDER SIDE
L POWER P.C.B.
Note:
Colour
WHT... WHITE
BLK... BLACK
BLU... BLUE
ORG... ORANGE
GRY... GRAY
BRN... BROWN




# 11. Type Illustrations of ICs, Transistors & Diodes

# 12. Terminal Functions of ICs

## - IC901 (M38B57MCA266) SYSTEM CONTROL/FL DRIVE

| Pin No. | Mark | I/O | Function |
|---|---|---|---|
| 1~2 | KEY2~KEY1 | I | Key Input 1~2 |
| 3 | THERM/ OVLD | I | Thermal/Over load input |
| 4 | KEY 4 | I | Key Input 4 |
| 5 | OVERLOAD2 | I | Thermal/Over load input 2 |
| 6 | FMST | I | Stereo signal detect terminal |
| 7 | WAKE | - | Wake up timer LED (Not used, open) |
| 8 | RDS DI | - | Control of RDS IC(Not used, open) |
| 9 | REMOTE | I | Remote control terminal |
| 10 | RESET | - | Reset detect terminal |
| 11 | RDS CK | - | Control of RDS IC (CK) clock signal (Not used, open) |
| 12 | RDS DT | - | Control of RDS IC (DT) data signal (Not used, open) |
| 13 | GND | - | GND terminal |
| 14 | XIN | I | Crystal oscillator terminal (4 MHz) |
| 15 | XOUT | O | Crystal oscillator terminal (4 MHz) |
| 16 | VDD (+5V) | - | Power supply terminal +5V |
| 17 | LED CK | O | LED driver IC (CK) clock signal |
| 18 | LED DATA | O | LED driver IC (DT) data signal |
| 19 | SFC1 | I | SFC mode encoder input 1 |
| 20 | SFC2 | I | SFC mode encoder input 2 |
| 21 | SEL1 | I | Selector encoder for input 1 |
| 22 | HOLD | I | Blackout detection terminal |
| 23 | SEL2 | I | Selector encoder for input 2 |
| 24 | D.PASS | O | DSP signal selector |
| 25 | RLY | O | Relay control output |
| 26 | LOUDNESS | O | Loudness control output (Not used, open) |
| 27 | VGCA | - | VGCA ON/OFF |
| 28 | VEE | - | Power supply for FL driver |
| 29 | S/C SP | O | Surround/Center speaker control output |
| 30 | SP B | O | Speaker B control output |
| 31 | SP A | O | Speaker A control output |
| 32 | AF MUTE | O | Muting control output |

| | | | |
|---|---|---|---|
| 33~48 | SEG16~ SEG1 | O | FL segment signal output |
| 49~58 | DEG1~ DEG10 | O | FL digit signal output |
| 59 | INIT_IN | I | Diode input initial settings |
| 60 | VOL DOWN | O | Volume control output (Down) |
| 61 | VOL UP | O | Volume control output (Up) |
| 62 | VIDEO_C | - | Not used |
| 63 | IF DATA | I | Serial data signal |
| 64 | LIMITTER | O | Power limitter control output |
| 65 | T CE | O | Tuner control (CE) chip enable signal |
| 66 | T CK | O | Selector/Tuner (CK) clock signal |
| 67 | T DT | O | Selector/Tuner (DT) data signal |
| 68 | FRT_VCR2 | I | Encoder of surround mode selector input1 |
| 69 | MMD_CTR | I | Encoder of surround mode selector input1 |
| 70 | COM CK | O | Common clock signal |
| 71 | COM DO | O | Common digital output signal |
| 72 | COM DI | I | Common digital input signal |
| 73 | AVSS | - | GND for A-D converter |
| 74 | VREF | - | Reference voltage for A-D converter |
| 75 | SD | I | SD signal detect input |
| 76 | COM REQS | O | Common serial request output |
| 77 | HELP LED/ RDS CE | O | Help LED control output (Not used, open) |
| 78 | COM REQM | O | Common mechanical request output |
| 79 | VIDEO B | O | Video selector control output B |
| 80 | VIDEO A | O | Video selector control output A |

## - IC1901 (M38B57M6170F) DSP CONTROL

| Pin No. | Mark | I/O | Function |
|---|---|---|---|
| 1 | CA18 | I | Unused/Free, Release internal pull-up for resistance |
| 2 | CA17 | O | External ROM Address A17 for CS49326 or CS4341;CS |
| 3 | CA16 | O | External ROM address for CS49326 |
| 4 | N.C. | O | TC9482 STB |
| 5 | CLOCK | O | TC9482F Clock |
| 6 | DATA | O | TC9482F Data |
| 7 | N.C. | I | Unused/Free, Release internal pull-up for resistance |
| 8 | N.C. | I | Unused/Free, Connect to GND through resistance |
| 9 | INT2 | I | Unused/Free, Connect to GND through resistance |
| 10 | RESET | I | Reset Input |
| 11 | N.C. | I | Unused/Free, Release internal pull-up for resistance |
| 12 | N.C. | I | Unused/Free, Release internal pull-up for resistance |
| 13 | GND | - | GND |
| 14 | XIN | - | 4 MHz ceramic oscillation terminal |
| 15 | XOUT | - | 4 MHz ceramic oscillation terminal |
| 16 | VDD | - | +5V |
| 17 | N.C. | I | Unused/Free, Connect to GND through resistance |
| 18 | N.C. | I | Unused/Free, Connect to GND through resistance |
| 19 | N.C. | I | Unused/Free, Connect to GND through resistance |
| 20 | N.C. | I | Unused/Free, Connect to GND through resistance |
| 21 | OVLERR | I | CS4226:OVLERR Overflow/ error |
| 22 | INTREQ | I | CS49326:INTREQ |
| 23 | HOLD | I | Power failure detection, Power failure, Power on/ Connectivity for H |

| | | | |
|---|---|---|---|
| **24** | **N.C.** | **I** | **Unused/Free, Release internal pull-up for resistance** |
| **25** | **STB_S** | **O** | **TC9162/TC9163:STB Strobe** |
| **26** | **CLK_S** | **O** | **TC9162/TC9163:CLK Serial clock** |
| **27** | **DAT_S** | **O** | **TC9162/TC9163:DATA Serial data output** |
| **28** | **MUTEA** | **-** | **GND** |
| **29** | **N.C.** | **O** | **Software muting L:OFF H: ON** |
| **30** | **N.C.** | | **Unused/Free Low output fixing** |
| **31** | **N.C.** | **I** | **Unused/Free, Release, Connect to GND through resistance** |
| **32** | **N.C.** | **I** | **Unused/Free, Release, Connect to GND through resistance** |
| **33** | **N.C.** | **O** | **Unused/Free, Release H output** |
| **34** | **N.C.** | **O** | **Unused/Free, Release H output** |
| **35** | **N.C.** | **O** | **Unused/Free, Release H output** |
| **36** | **N.C.** | **O** | **Unused/Free, Release H output** |
| **37** | **N.C.** | **O** | **Unused/Free, Release H output** |
| **38** | **N.C.** | **O** | **Unused/Free, Release H output** |
| **39** | **N.C.** | **O** | **Unused/Free, Release H output** |
| **40** | **N.C.** | **O** | **Unused/Free, Release H output** |
| **41** | **N.C.** | **O** | **Unused/Free, Release H output** |
| **42** | **N.C.** | **O** | **Unused/Free, Release H output** |
| **43** | **N.C.** | **O** | **Unused/Free, Release H output** |
| **44** | **N.C.** | **O** | **Unused/Free, Release H output** |
| **45** | **N.C.** | **O** | **Unused/Free, Release H output** |
| **46** | **N.C.** | **O** | **Unused/Free, Release H output** |

| | | | |
|---|---|---|---|
| 47 | N.C. | O | Unused/Free, Release H output |
| 48 | N.C. | O | Unused/Free, Release H output |
| 49 | N.C. | O | Unused/Free, Release internal pull-up for resistance H output |
| 50 | N.C. | O | Unused/Free, Release internal pull-up for resistance H output |
| 51 | N.C. | O | Unused/Free, Release internal pull-up for resistance H output |
| 52 | N.C. | O | Unused/Free, Release internal pull-up for resistance H output |
| 53 | N.C. | O | Unused/Free, Release internal pull-up for resistance H output |
| 54 | EXT DAC | O | Initialization diode, Internal pull-up resistance |
| 55 | EXT RON | O | Initialization diode, Internal pull-up resistance |
| 56 | DTS 2 | O | Initialization diode, Internal pull-up resistance |
| 57 | INIT | I | Initialization diode, Reading input |
| 58 | N.C. | I | Unused/Free, Connect to GND through resistance |
| 59 | N.C. | I | Unused/Free, Connect to GND through resistance |
| 60 | N.C. | I | Unused/Free, Connect to GND through resistance |
| 61 | N.C. | I | Unused/Free, Connect to GND through resistance |
| 62 | N.C. | I | Unused/Free, Connect to GND through resistance |
| 63 | N.C. | I | Unused/Free, Connect to GND through resistance |
| 64 | CDOUT | I | CS4226:CDOUT Serial data input |
| 65 | CS42 | O | CS4226:CS Tip select |
| 66 | SCLK | O | Main-Sub Serial clock output for communication |
| 67 | TXD | O | Main-Sub Serial data output for communication |
| 68 | RXD | I | Main-Sub Serial data input for communication |

| | | | |
|---|---|---|---|
| 69 | /CS49 | O | CS49326:CS CS49326 Tip select |
| 70 | CCLK | O | CS49326/CS4226/CS4341: CCLK Serial clock |
| 71 | CDIN | O | CS49326/CS4226/CS4341: CDIN Serial data |
| 72 | SCOUT | I | CS49326:SCDOUT Serial data input |
| 73 | AVSS | - | Power analaog for conversion of A/D, Connect to GND |
| 74 | VREF | - | Reference voltage for conversion of A/D |
| 75 | VOLUME | A/D | Volume position detection for A/D |
| 76 | REQS | I | Main-Sub Communication |
| 77 | POWER | O | DSP Power control L:ON H: OFF |
| 78 | REQN | O | Main-Sub Communication |
| 79 | PON | O | CD4226:PDN CS4226/ CS4341 Reset |
| 80 | CSRESET | O | CS49326:RESET CS49326 Reset |

# 13. Parts Location and Replacement Parts List

**Notes:**

**- Important safety notice:**

**Components identified by ⚠ mark have special characteristics important for safety.**

**Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.**

**When replacing any of these components, be sure to use only manufacturers's specified parts shown in the parts list.**

**- The parenthesized indications in the Remarks column specify the areas or color. (Refer to the cover page for area or color.)**
**Parts without these indications can be used for all areas.**

**- Capacitor values are in microfarad ( μ F) unless specified otherwise, P=Pico-farads(pF); Farads.**

**- Resistance values are in ohms, unless specified otherwise, 1K= 1,000(ohms).**

**- The marking (RTL) indicates that the Retention Time is limited for**

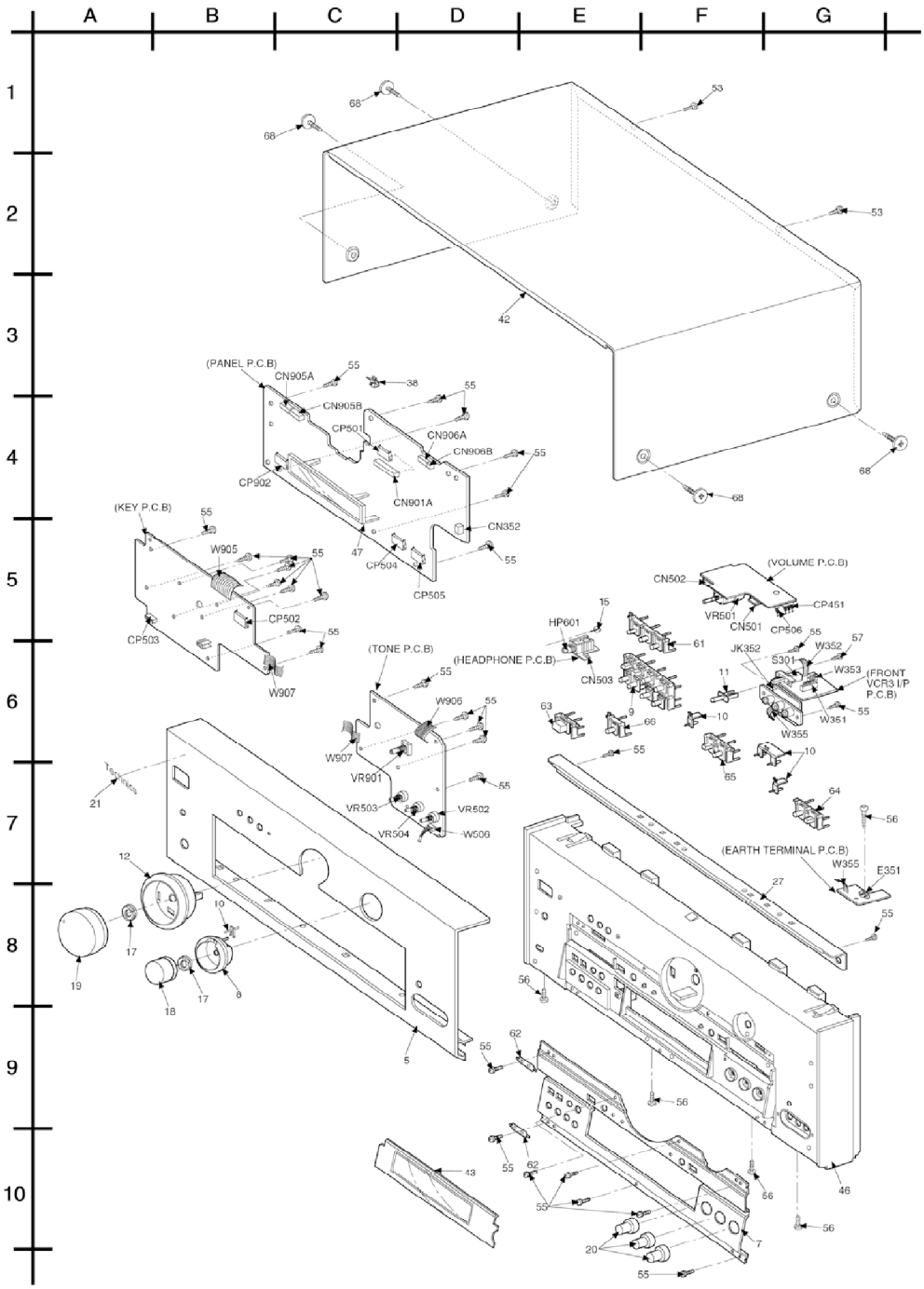
this item. After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependant on the type of assembly, and in accordance with the lows govening part and product retention. After the end of this period, the assembly will no longer be available.

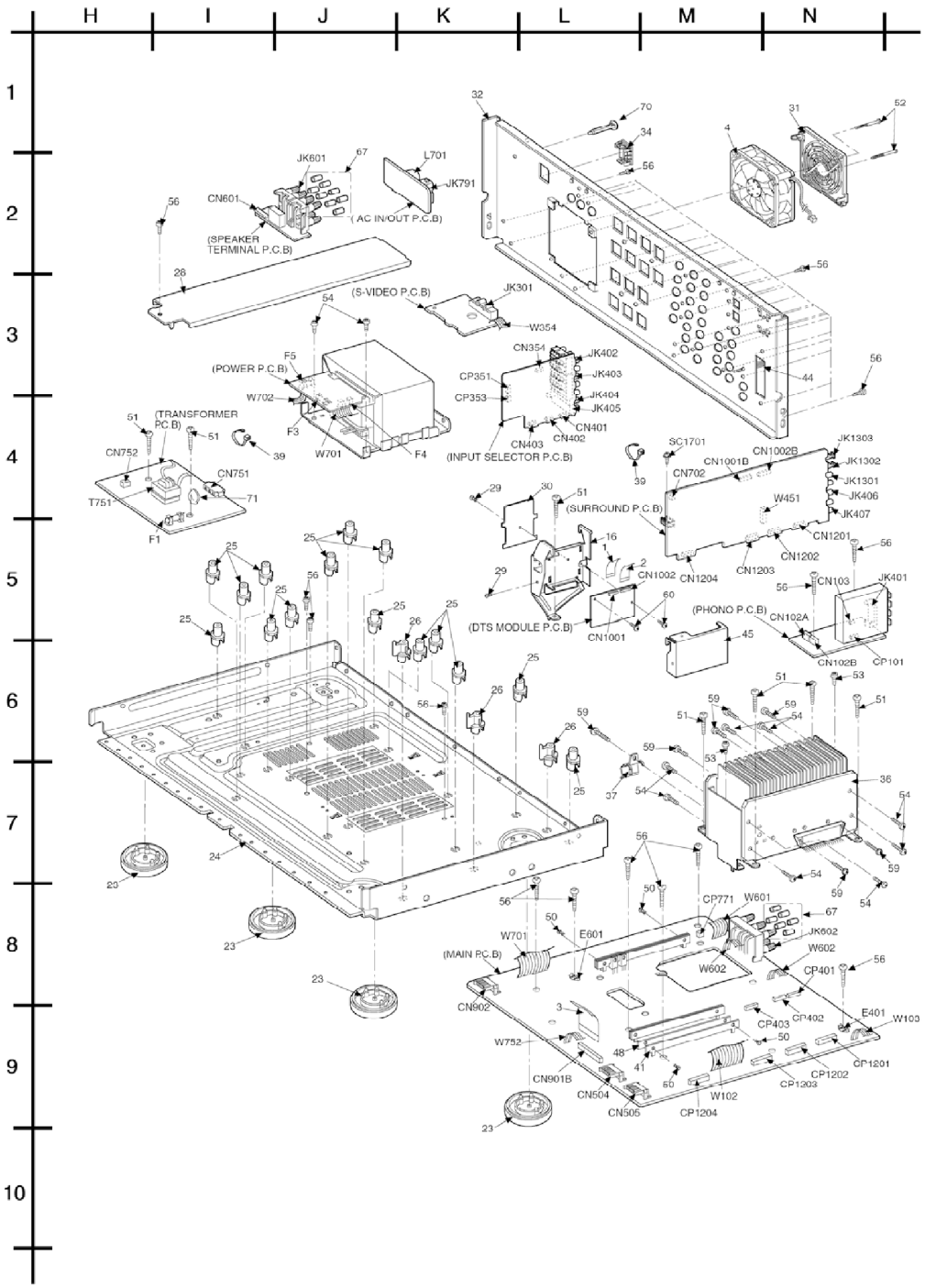
- [M] indicates in the Remarks columns indicates parts that are supplied by MESA.
- The “(SF)” mark denotes the standard part.
- Remote Control Unit: Supply period for three years from terminal of production.
- Reference for O/I book languages are as follows :

| | | | |
|---|---|---|---|
| Ar : Arabic | Cf : Canadian French | Cz : Czech | Da : Danish |
| Du : Dutch | En : English | Fr : French | Ge : German |
| It : Italian | Ko : Korean | Po : Polish | Ru : Russian |
| Sp : Spanish | Sw : Swedish | Co : Traditional Chinese | Cn : Simplified Chi |

## 13.1. Cabinet

### 13.1.1. Cabinet Parts Location


A
B
C
D
E
F
G
1
2
3
4
5
6
7
8
9
10
(PANEL P.C.B)
CN905A
CN905B
CP501
CN906A
CN906B
CP902
CN901A
CN352
CP504
CP505
(KEY P.C.B)
W905
CP502
CP503
W907
(TONE P.C.B)
W906
W907
VR901
VR503
VR502
VR504
W506
(VOLUME P.C.B)
CN502
VR501
CP451
CN501
CP506
HP601
(HEADPHONE P.C.B)
CN503
JK352
W352
S301
W353
(FRONT VCR3 I/P P.C.B)
W351
W355
(EARTH TERMINAL P.C.B)
E351
42
43
46




## 13.1.2. Cabinet Parts List

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| | | CABINET AND CHASSIS | |
| | | | |
| 1 | REE0785A | FFC WIRE | [M] |
| 2 | REE0786A | FFC WIRE | [M] |
| 3 | REE1014 | FFC WIRE | [M] |
| 4 | REM0080B | FAN UNIT | [M] |
| 5 | RGG0178J-K | AL PANEL | [M]K |
| 5 | RGG0178J-N | AL PANEL | [M]N |
| 7 | RGG0181A-K | SUB PANEL | [M]K |
| 7 | RGG0181A-N | SUB PANEL | [M]N |
| 8 | RGK0994-2N | SELECTOR RING | [M]N |
| 8 | RGK0994-N | SELECTOR RING | [M]K |
| 9 | RGU1865-K | MODE BUTTON | [M]K |
| 9 | RGU1865-N | MODE BUTTON | [M]N |
| 10 | RGL0498-Q | LIGHT GUIDE UNIT | [M] |
| 11 | RGU1390-K | VCR2 BUTTON | [M]K |
| 11 | RGU1390-N | VCR2 BUTTON | [M]N |
| 12 | RGK1247-N | VOLUME RING | [M]N |
| 12 | RGK1247-S | VOLUME RING | [M]K |
| 15 | RHD26016 | SCREW (PHONE JACK) | [M] |
| 16 | RMA1232 | PCB ANGLE | [M] |
| 17 | RHN90001 | M9 NUT | [M] |
| 18 | RGW0346-K | TONE KNOB | [M]K |
| 18 | RGW0346-N | TONE KNOB | [M]N |
| 19 | RGW0347-K | VOLUME KNOB UNIT | [M]K |
| 19 | RGW0347-N | VOLUME KNOB UNIT | [M]N |
| 20 | RGW0348-K | SELECTOR KNOB UNIT | [M]K |
| 20 | RGW0348-N | SELECTOR KNOB UNIT | [M]N |
| 21 | RGB0031-A1L | TECH BADGE | [M] |
| 23 | RKA0079A-A | LEG UNIT | [M] |
| 24 | RMK0391 | BOTTOM CHASSIS | [M] |
| 25 | RKQ0089A | PCB SUPPORT | [M] |
| 26 | RMN0392 | PCB SUPPORT | [M] |
| 27 | RMA1323 | SUPPORT BAR (A) | [M] |
| 28 | RMA1324A | SUPPORT BAR B | [M] |
| 29 | SHR9112 | PLASTIC RIVET | [M] |
| 30 | RSC0529 | SHIELD PLATE | [M] |
| 31 | RGQ0231-K | FAN COVER | [M] |
| 32 | RGR0299E-A | REAR PANEL | [M]EG E |
| 32 | RGR0299E-B | REAR PANEL | [M]EB |
| 34 | SJS9231A | A/C INLET COVER | [M] |
| 36 | RXX0221 | HEAT SINK UNIT | [M] |
| 37 | RMC0158-S | TRANSISTOR HOLDER | [M] |
| 38 | SHRD163 | CORD HOLDER | [M] |
| 39 | SHR301 | WIRE CRAMPER | [M] |
| 41 | RMA1327 | BUS BAR | [M] |
| 42 | RKM0373A-K | TOP CABINET | [M]K |
| 42 | RKM0373A-N | TOP CABINET | [M]N |
| 43 | RKW0605A-Q | FL WINDOW | [M] |
| 44 | RHD30070 | EARTH TERMINAL | [M] |
| 45 | RSC0528 | SHIELD CASE | [M] |
| 46 | RGP0791-K | GRILL | [M]K |
| 46 | RGP0791-N | GRILL | [M]N |
| 47 | RMN0588 | FL HOLDER | [M] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| 48 | RMZ0514 | BUS BAR INSURATOR | [M] |
| 50 | RMR1312-K | PLASTIC RIVET | [M] |
| 51 | XTB3+20JFZ | SCREW | [M] |
| 52 | XTB3+35JFZ | SCREW (FAN) | [M] |
| 53 | XTB3+8FFZ | SCREW | [M] |
| 54 | XTB3+8JFZ | SCREW | [M] |
| 55 | XTBS26+10J | SCREW | [M] |
| 56 | XTBS3+8JFZ1 | SCREW | [M] |
| 57 | XTN26+8GFZ | SCREW (COBRA COVER) | [M] |
| 59 | XTW3+15T | SCREW | [M] |
| 60 | XYN26+C6 | SCREW | [M] |
| 61 | RGU1864A-K | SPEAKER BUTTON | [M]K |
| 61 | RGU1864A-N | SPEAKER BUTTON | [M]N |
| 62 | RMC0401 | EARTH PLATE | [M] |
| 63 | RGU1863A-K | POWER BUTTON | [M]K |
| 63 | RGU1863A-N | POWER BUTTON | [M]N |
| 64 | RGU1863C-K | MONITOR BUTTON | [M]K |
| 64 | RGU1863C-N | MONITOR BUTTON | [M]N |
| 65 | RGU1864B-K | VGCA BUTTON | [M]K |
| 65 | RGU1864B-N | VGCA BUTTON | [M]N |
| 66 | RGU1863B-K | TIMER BUTTON | [M]K |
| 66 | RGU1863B-N | TIMER BUTTON | [M]N |
| 67 | RMR1346-K | BACK CAVITY | [M] |
| 68 | RHD30091-K | SCREW | [M]K |
| 68 | RHD30091-S | SCREW | [M]N |
| 70 | RMR0669-C | CARD SPACER | [M] |
| 71 | RMZ0339 | ZENER COVER | [M] |
| SC1701 | XYN3+F8 | SCREW | [M] |

## 13.2. Components Parts List

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| | | P.C.B. | |
| | | | |
| | REP3161D-M | MAIN P.C.B./TRANSFORMER P.C.B. | [M]RTL |
| | REP3020L-S | FRONT VCR3 INPUT P.C.B./S-VIDEO P.C.B./HEADPHONES JACK P.C.B./PHONO P.C.B./EARTH TERMINAL P.C.B./PANEL P.C.B./ TONE P.C.B./KEY P.C.B. | [M]RTL |
| | REP3162E-P | SURROUND P.C.B./INPUT SELECTOR P.C.B./VOLUME P.C.B./ POWER P.C.B./SPEAKER TERMINAL P.C.B./AC IN/OUT P.C.B. | [M]RTL EG E |
| | REP3162F-P | SURROUND P.C.B./INPUT SELECTOR P.C.B./VOLUME P.C.B./ POWER P.C.B./SPEAKER TERMINAL P.C.B./AC IN/OUT P.C.B. | [M]RTL EB |
| | RAN0002EM | TUNER PACK UNIT | [M]RTL |
| | REP2703D-T | DTS MODULE P.C.B. | [M]RTL |
| | | | |
| | | INTEGRATED CIRCUITS | |
| | | | |
| IC301 | NJM2279D | IC VIDEO SELECTOR SW | [M] |
| IC302 | NJM2279D | IC VIDEO SELECTOR SW | [M] |
| IC351 | NJM2296D | IC VIDEO SELECTOR | [M] |
| IC401 | TC9163AN | IC SELECTOR | [M] |
| IC402 | NJM4580EDTE1 | IC BUFFER AMP | [M] |
| IC403 | TC9162AN | IC SELECTOR | [M] |
| IC405 | NJM4580EDTE1 | IC OP AMP | [M] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| IC406 | NJM4580EDTE1 | IC OP AMP | [M] |
| IC451 | AN6558F | IC PHONO EQ | [M] |
| IC501 | BA6218 | IC MOTOR DRIVER | [M] |
| IC502 | NJM4580EDTE1 | IC TONE AMP | [M] |
| IC503 | NJM4580EDTE1 | IC TONE AMP | [M] |
| IC504 | NJM4580EDTE1 | IC TONE AMP | [M] |
| IC505 | NJM4580DD | IC TONE AMP | [M] |
| IC506 | NJM4580DD | IC TONE AMP | [M] |
| IC507 | NJM4580DD | IC TONE AMP | [M] |
| IC508 | NJM4580DD | IC TONE AMP | [M] |
| IC601 | RSN310R37A-P | IC 3 CH HIC | [M] ⚠ |
| IC602 | RSN310R37A-P | IC 3 CH HIC | [M] ⚠ |
| IC901 | M38B57MCA266 | IC SYSTEM CONTROL | [M] |
| IC902 | BU2090A | IC EXPANDER | [M] |
| IC970 | LC72720N | IC RDS | [M] |
| IC1001 | CS49326-CLR | IC AC-3/DTS DECODER | [M] |
| IC1002 | C0FBZJ000004 | IC DIR/DAC/VOL | [M] |
| IC1003 | SN74LV244APW | IC LOGIC | [M] |
| IC1004 | SN7AHCT244PW | IC LOGIC | [M] |
| IC1005 | SN74HCU04APW | IC LOGIC | [M] |
| IC1006 | SNAHC1U04DBV | IC SINGLE INVERTER | [M] |
| IC1201 | NJM4580EDTE1 | IC OP AMP | [M] |
| IC1202 | NJM4580EDTE1 | IC OP AMP | [M] |
| IC1203 | NJM4580EDTE1 | IC OP AMP | [M] |
| IC1204 | NJM4580EDTE1 | IC OP AMP | [M] |
| IC1205 | NJM4580EDTE1 | IC OP AMP | [M] |
| IC1206 | NJM2115D | IC OP AMP | [M] |
| IC1207 | NJM2115D | IC OP AMP | [M] |
| IC1208 | NJM4580EDTE1 | IC OP AMP | [M] |
| IC1209 | NJM4580EDTE1 | IC OP AMP | [M] |
| IC1210 | NJM4580EDTE1 | IC OP AMP | [M] |
| IC1211 | TC9482N | IC 6CH VOLUME | [M] |
| IC1701 | PQ30RV11 | IC 2.5V REGULATOR | [M] ⚠ |
| IC1901 | M38B57M6170F | IC SYSTEM CONTROL | [M] |
| | | | |
| | | TRANSISTORS | |
| | | | |
| Q351 | 2SC3940AQSTA | TRANSISTOR | [M] ⚠ |
| Q352 | 2SA1534AQRTA | TRANSISTOR | [M] ⚠ |
| Q501 | RVTDTC143XST | TRANSISTOR | [M] |
| Q502 | RVTDTC143XST | TRANSISTOR | [M] |
| Q503 | RVTDTC143XST | TRANSISTOR | [M] |
| Q507 | 2SD1915FTA | TRANSISTOR | [M] |
| Q508 | 2SD1915FTA | TRANSISTOR | [M] |
| Q509 | 2SD1915FTA | TRANSISTOR | [M] |
| Q510 | 2SD1915FTA | TRANSISTOR | [M] |
| Q511 | 2SD1915FTA | TRANSISTOR | [M] |
| Q512 | 2SD1915FTA | TRANSISTOR | [M] |
| Q513 | 2SD1915FTA | TRANSISTOR | [M] |
| Q514 | 2SD1915FTA | TRANSISTOR | [M] |
| Q515 | 2SD1915FTA | TRANSISTOR | [M] |
| Q516 | 2SD1915FTA | TRANSISTOR | [M] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| Q601 | RVTDTA143XST | TRANSISTOR | [M] |
| Q602 | RVTDTA143XST | TRANSISTOR | [M] |
| Q603 | RVTDTA143XST | TRANSISTOR | [M] |
| Q606 | RVTDTA114EST | TRANSISTOR | [M] |
| Q607 | RVTDTA143XST | TRANSISTOR | [M] |
| Q614 | RVTDTA114EST | TRANSISTOR | [M] |
| Q651 | RVTDTA143XST | TRANSISTOR | [M] |
| Q653 | RVTDTA143XST | TRANSISTOR | [M] |
| Q701 | 2SD2374PQAU | TRANSISTOR | [M] ⚠ |
| Q703 | 2SC1740SSTA | TRANSISTOR | [M] ⚠ |
| Q704 | 2SC1740SSTA | TRANSISTOR | [M] ⚠ |
| Q706 | 2SC3940AQSTA | TRANSISTOR | [M] ⚠ |
| Q707 | 2SA1534AQRTA | TRANSISTOR | [M] ⚠ |
| Q708 | 2SB1548PQAU | TRANSISTOR | [M] ⚠ |
| Q723 | RVTDTA114EST | TRANSISTOR | [M] ⚠ |
| Q724 | RVTDTC114EST | TRANSISTOR | [M] ⚠ |
| Q725 | RVTDTC114YST | TRANSISTOR | [M] ⚠ |
| Q751 | RVTDTC143XST | TRANSISTOR | [M] |
| Q752 | 2SC3940AQSTA | TRANSISTOR | [M] ⚠ |
| Q753 | 2SK2880CTA | TRANSISTOR | [M] ⚠ |
| Q754 | RVTDTC114EST | TRANSISTOR | [M] ⚠ |
| Q771 | 2SA933SSTA | TRANSISTOR | [M] |
| Q772 | 2SC1740SSTA | TRANSISTOR | [M] |
| Q773 | 2SB621AQSTA | TRANSISTOR | [M] |
| Q774 | RVTDTA113ZST | TRANSISTOR | [M] |
| Q775 | RVTDTA114EST | TRANSISTOR | [M] |
| Q776 | 2SC1740SSTA | TRANSISTOR | [M] |
| Q777 | 2SA933SSTA | TRANSISTOR | [M] |
| Q778 | 2SA933SSTA | TRANSISTOR | [M] |
| Q779 | 2SA933SSTA | TRANSISTOR | [M] |
| Q780 | 2SA933SSTA | TRANSISTOR | [M] |
| Q781 | 2SC1740SSTA | TRANSISTOR | [M] |
| Q901 | RVTDTC114YST | TRANSISTOR | [M] |
| Q902 | 2SA933SSTA | TRANSISTOR | [M] ⚠ |
| Q1001 | DTA114YETL | TRANSISTOR | [M] ⚠ |
| Q1201 | 2SD1915FTA | TRANSISTOR | [M] |
| Q1681 | 2SD1915FTA | TRANSISTOR | [M] |
| Q1682 | 2SD1915FTA | TRANSISTOR | [M] |
| Q1701 | 2SD2137PQTA | TRANSISTOR | [M] ⚠ |
| Q1702 | 2SD2374PQAU | TRANSISTOR | [M] ⚠ |
| Q1703 | 2SC1740SSTA | TRANSISTOR | [M] ⚠ |
| Q1901 | RVTDTC114YST | TRANSISTOR | [M] |
| Q1902 | 2SA933SSTA | TRANSISTOR | [M] |
| | | | |
| | | DIODES | |
| | | | |
| D301 | RVD1SS133TA | DIODE | [M] |
| D302 | RVD1SS133TA | DIODE | [M] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| D351 | RVD1SS133TA | DIODE | [M] |
| D352 | RVD1SS133TA | DIODE | [M] |
| D353 | MTZJ5R6BTA | DIODE | [M] |
| D354 | MTZJ5R6BTA | DIODE | [M] |
| D402 | MTZJ7R5CTA | DIODE | [M] |
| D501 | RVD1SS133TA | DIODE | [M] |
| D502 | RVD1SS133TA | DIODE | [M] |
| D503 | RVD1SS133TA | DIODE | [M] |
| D504 | RVD1SS133TA | DIODE | [M] |
| D505 | RVD1SS133TA | DIODE | [M] |
| D601 | RK306LFU1 | DIODE | [M] |
| D602 | RK306LFU1 | DIODE | [M] |
| D605 | RVD1SS133TA | DIODE | [M] |
| D611 | RVD1SS133TA | DIODE | [M] |
| D612 | RVD1SS133TA | DIODE | [M] |
| D613 | RVD1SS133TA | DIODE | [M] |
| D614 | RVD1SS133TA | DIODE | [M] |
| D615 | RVD1SS133TA | DIODE | [M] |
| D616 | MTZJ10CTA | DIODE | [M] |
| D619 | RVD1SS133TA | DIODE | [M] |
| D621 | RVD1SS133TA | DIODE | [M] |
| D622 | RVD1SS133TA | DIODE | [M] |
| D625 | MTZJ18BTA | DIODE | [M] |
| D626 | RVD1SS133TA | DIODE | [M] |
| D651 | RK306LFU1 | DIODE | [M] |
| D652 | RK306LFU1 | DIODE | [M] |
| D701 | 1N5402BM21 | DIODE | [M] ⚠ |
| D702 | 1N5402BM21 | DIODE | [M] ⚠ |
| D703 | 1N5402BM21 | DIODE | [M] ⚠ |
| D704 | 1N5402BM21 | DIODE | [M] ⚠ |
| D705 | MTZJ6R2BTA | DIODE | [M] |
| D707 | MTZJ30BTA | DIODE | [M] ⚠ |
| D708 | MTZJ16CTA | DIODE | [M] ⚠ |
| D721 | 1N5402BM21 | DIODE | [M] ⚠ |
| D722 | 1N5402BM21 | DIODE | [M] ⚠ |
| D723 | 1N5402BM21 | DIODE | [M] ⚠ |
| D724 | 1N5402BM21 | DIODE | [M] ⚠ |
| D725 | 1N5402BM21 | DIODE | [M] ⚠ |
| D726 | 1N5402BM21 | DIODE | [M] ⚠ |
| D727 | 1N5402BM21 | DIODE | [M] ⚠ |
| D728 | 1N5402BM21 | DIODE | [M] ⚠ |
| D731 | RVD1SS133TA | DIODE | [M] |
| D732 | RVD1SS133TA | DIODE | [M] |
| D741 | 1SR35400V | DIODE | [M] ⚠ |
| D742 | 1SR35400V | DIODE | [M] ⚠ |
| D743 | 1SR35400V | DIODE | [M] ⚠ |
| D744 | 1SR35400V | DIODE | [M] ⚠ |
| D751 | 1SR35400V | DIODE | [M] ⚠ |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| D752 | 1SR35400V | DIODE | [M] ⚠ |
| D753 | 1SR35400V | DIODE | [M] ⚠ |
| D754 | 1SR35400V | DIODE | [M] ⚠ |
| D755 | RVD1SS133TA | DIODE | [M] |
| D756 | MTZJ6R8BTA | DIODE | [M] ⚠ |
| D757 | MTZJ16CTA | DIODE | [M] |
| D768 | MTZJ3R3ATA | DIODE | [M] |
| D769 | RVD1SS133TA | DIODE | [M] |
| D770 | RVD1SS133TA | DIODE | [M] |
| D771 | RB721Q40T77 | DIODE | [M] |
| D772 | RB721Q40T77 | DIODE | [M] |
| D773 | MTZJ8R2CTA | DIODE | [M] |
| D774 | RB721Q40T77 | DIODE | [M] |
| D781 | RB721Q40T77 | DIODE | [M] |
| D782 | RB721Q40T77 | DIODE | [M] |
| D901 | 1SS291TA | DIODE | [M] |
| D902 | RVD1SS133TA | DIODE | [M] |
| D903 | MTZJ5R6BTA | DIODE | [M] |
| D904 | MTZJ3R9ATA | DIODE | [M] |
| D905 | MA167ATA | DIODE | [M] |
| D908 | RVD1SS133TA | DIODE | [M] |
| D909 | RVD1SS133TA | DIODE | [M] |
| D933 | SLR325MCT31 | DIODE | [M] |
| D934 | SLR325YCT31 | DIODE | [M] |
| D935 | SLR325VCT31 | DIODE | [M] |
| D936 | SLR325YCT31 | DIODE | [M] |
| D937 | SLR325VCT31 | DIODE | [M] |
| D938 | SLR325VCT31 | DIODE | [M] |
| D944 | SLR325YCT31 | DIODE | [M] |
| D970 | RVD1SS133TA | DIODE | [M] |
| D1701 | RVD1SS133TA | DIODE | [M] |
| D1702 | MTZJ6R2CTA | DIODE | [M] ⚠ |
| D1901 | MTZJ3R9ATA | DIODE | [M] |
| D1902 | RVD1SS133TA | DIODE | [M] |
| D1903 | RVD1SS133TA | DIODE | [M] |
| | | | |
| | | VARIABLE RESISTORS | |
| | | | |
| VR501 | EUWM6E026B24 | VR MOTOR VOLUME | [M] |
| VR502 | EWC4YA016G54 | VR BALANCE | [M] |
| VR503 | EWC1XA016C15 | VR BASS CONTROL | [M] |
| VR504 | EWC1XA016C15 | VR TREBLE CONTROL | [M] |
| VR901 | EVQVBHFK112B | VR BALANCE CONTROL | [M] |
| | | | |
| | | SWITCHES | |
| | | | |
| S301 | RSP2D018-A | SW SLIDE | [M] |
| S901 | EVQ21405R | SW POWER | [M] |
| S902 | EVQ21405R | SW SPEAKER B | [M] |
| S903 | EVQ21405R | SW BAND | [M] |
| S904 | EVQ21405R | SW FM MODE | [M] |
| S905 | EVQ21405R | SW TUNE DOWN | [M] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| S906 | EVQ21405R | SW TUNE UP | [M] |
| S907 | EVQ21405R | SW MEMORY | [M] |
| S908 | EVQ21405R | SW PRESET | [M] |
| S909 | EVQ21405R | SW DISPLAY MODE | [M] |
| S911 | EVQ21405R | SW SPEAKER A | [M] |
| S912 | EVQ21405R | SW BI-WIRE | [M] |
| S913 | EVQ21405R | SW VGCA | [M] |
| S914 | EVQ21405R | SW DVD 6CH | [M] |
| S915 | EVQ21405R | SW TIMER | [M] |
| S916 | EVQ21405R | SW RDS | [M] |
| S917 | EVQ21405R | SW DIGITAL | [M] |
| S918 | EVQ21405R | SW TAPE MONITOR | [M] |
| | | | |
| | | CONNECTORS | |
| | | | |
| CN102A | RJS1A6606T1 | 6P TAPING CONNECTOR | [M] |
| CN102B | RJS1A6606T1 | 6P TAPING CONNECTOR | [M] |
| CN103 | RJS1A6603T1 | 3P TAPING CONNECTOR | [M] |
| CN352 | RJS1A6603T1 | 3P TAPING CONNECTOR | [M] |
| CN354 | RJS1A6606T1 | 6P TAPING CONNECTOR | [M] |
| CN401 | RJU100W07 | 7P CONNECTOR | [M] |
| CN402 | RJU100W07 | 7P CONNECTOR | [M] |
| CN403 | RJU100W07 | 7P CONNECTOR | [M] |
| CN501 | RJU003K010M1 | 10P B/B CONNECTOR | [M] |
| CN502 | RJU003K008M1 | BOAD IN CONNECTOR | [M] |
| CN503 | RJU100W04 | 4P CONNECTOR | [M] |
| CN504 | RJU003K008M1 | BOAD IN CONNECTOR | [M] |
| CN505 | RJU003K008M1 | BOAD IN CONNECTOR | [M] |
| CN601 | RJS9T6ZA | CONNECTOR | [M] |
| CN702 | RJS1A6603T1 | 3P TAPING CONNECTOR | [M] |
| CN751 | SJS305-1 | 3P CONNECTOR | [M] |
| CN752 | RJS1A6603T1 | 3P TAPING CONNECTOR | [M] |
| CN901A | RJS2A8430 | CONNECTOR | [M] |
| CN901B | RJS2A5630 | CONNECTOR | [M] |
| CN902 | RJU003K008M1 | BOAD IN CONNECTOR | [M] |
| CN905A | RJS1A6606T1 | 6P TAPING CONNECTOR | [M] |
| CN905B | RJS1A6606T1 | 6P TAPING CONNECTOR | [M] |
| CN906A | RJS1A6606T1 | 6P TAPING CONNECTOR | [M] |
| CN906B | RJS1A6604T1 | 4P TAPING CONNECTOR | [M] |
| CN1001 | RJS2A4816T | CONNECTOR | [M] |
| CN1001B | RJS2A4216-F | 16P CONNECTOR | [M] |
| CN1002 | RJS2A4820T | CONNECTOR | [M] |
| CN1002B | RJS2A4220-F | 20P CONNECTOR | [M] |
| CN1201 | RJU100W07 | 7P CONNECTOR | [M] |
| CN1202 | RJU100W07 | 7P CONNECTOR | [M] |
| CN1203 | RJU100W07 | 7P CONNECTOR | [M] |
| CN1204 | RJU100W07 | 7P CONNECTOR | [M] |
| CP101 | RJT100W11 | 11P CONNECTOR | [M] |
| CP351 | RJP6G9YA | 6P CONNECTOR | [M] |
| CP353 | RJP3G9YA | CONNECTOR | [M] |
| CP401 | RJT100W07 | 7P CONNECTOR | [M] |
| CP402 | RJT100W07 | 7P CONNECTOR | [M] |
| CP403 | RJT100W07 | 7P CONNECTOR | [M] |
| CP451 | RJP9G9YA | 9P CONNECTOR | [M] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| CP501 | RJT003K010M1 | 10P CONNECTOR | [M] |
| CP502 | RJT003K008M1 | 8P CONNECTOR | [M] |
| CP503 | RJT100W04 | 4P CONNECTOR | [M] |
| CP504 | RJT003K008M1 | 8P CONNECTOR | [M] |
| CP505 | RJT003K008M1 | 8P CONNECTOR | [M] |
| CP506 | RJP3G9YA | CONNECTOR | [M] |
| CP771 | SJT3213 | CONNECTOR (FAN) | [M] |
| CP902 | RJT003K008M1 | 8P CONNECTOR | [M] |
| CP1201 | RJT100W07 | 7P CONNECTOR | [M] |
| CP1202 | RJT100W07 | 7P CONNECTOR | [M] |
| CP1203 | RJT100W07 | 7P CONNECTOR | [M] |
| CP1204 | RJT100W07 | 7P CONNECTOR | [M] |
| | | | |
| | | COILS & TRANSFORMERS | |
| | | | |
| L501 | RLQZP1R0KT-Y | AXIAL COIL | [M] |
| L502 | RLQZP1R0KT-Y | AXIAL COIL | [M] |
| L601 | RLQYR73MW-E | CHOKE COIL | [M] |
| L602 | RLQYR73MW-E | CHOKE COIL | [M] |
| L603 | RLQYR73MW-E | CHOKE COIL | [M] |
| L604 | RLQYR73MW-E | CHOKE COIL | [M] |
| L605 | RLQYR73MW-E | CHOKE COIL | [M] |
| L701 | RLQT801M-W | CHOKE COIL | [M] ⚠ |
| L751 | RLQB101KTA-Y | CHOKE COIL | [M] |
| L901 | RLQB101KTA-Y | CHOKE COIL | [M] |
| L971 | RLQZP101KT-Y | AXIAL COIL | [M] |
| L972 | RLQZP101KT-Y | AXIAL COIL | [M] |
| L1001 | RLQM2R2KT2-W | CHIP INDUCTOR | [M] |
| L1002 | RLQM2R2KT2-W | CHIP INDUCTOR | [M] |
| L1003 | RLQM2R2KT2-W | CHIP INDUCTOR | [M] |
| L1004 | RLQM2R2KT2-W | CHIP INDUCTOR | [M] |
| L1301 | RLQZP1R0KT-Y | AXIAL COIL | [M] |
| L1302 | RLQZ150M-0 | CHOKE COIL | [M] |
| L1901 | RLQB101KTA-Y | CHOKE COIL | [M] |
| T701 | RTP2Q5B002 | POWER TRANSFORMER | [M] ⚠ |
| T751 | RTP1H5B001 | STANDBY TRANSFORMER | [M] ⚠ |
| | | | |
| | | COMPONENT COMBINATION | |
| | | | |
| Z101 | RAN0002EM | TUNER MODULE | [M] |
| Z751 | ERZV10V511CS | ZENER | [M] ⚠ |
| Z901 | RCDRPM6937H4 | REMOTE SENSOR | [M] |
| Z1301 | BL02RN2R62T4 | EMI BEAD CORE | [M] |
| Z1302 | BL02RN2R62T4 | EMI BEAD CORE | [M] |
| Z1303 | BL02RN2R62T4 | EMI BEAD CORE | [M] |
| Z1304 | BL02RN2R62T4 | EMI BEAD CORE | [M] |
| Z1305 | BL02RN2R62T4 | EMI BEAD CORE | [M] |
| Z1306 | BL02RN2R62T4 | EMI BEAD CORE | [M] |
| Z1307 | BL02RN2R62T4 | EMI BEAD CORE | [M] |
| Z1308 | BL02RN2R62T4 | EMI BEAD CORE | [M] |
| | | | |
| | | CERAMIC FILTERS | |
| | | | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| CF901 | RVBCST4R00MT | CERAMIC OSCILLATOR | [M] |
| CF1901 | RVBCST4R00MT | CERAMIC OSCILLATOR | [M] |
| | | | |
| | | RELAY | |
| | | | |
| RL501 | RSY0045M-D | SIGNAL RELAY | [M] |
| RL502 | RSY0045M-D | SIGNAL RELAY | [M] |
| RL503 | RSY0045M-D | SIGNAL RELAY | [M] |
| RL504 | RSY0045M-D | SIGNAL RELAY | [M] |
| RL505 | RSY0045M-D | SIGNAL RELAY | [M] |
| RL601 | RSY0038-C | RELAY | [M] ⚠ |
| RL602 | RSY0038-C | RELAY | [M] ⚠ |
| RL603 | RSY0038-C | RELAY | [M] ⚠ |
| RL604 | RSY0038-C | RELAY | [M] ⚠ |
| RL605 | RSY0038-C | RELAY | [M] ⚠ |
| RL751 | RSY0040M-0 | RELAY | [M] ⚠ |
| | | | |
| | | OSCILLATORS | |
| | | | |
| X970 | RSXC4M33S02T | CRYSTAL OSCILLATOR | [M] |
| X1001 | RSXB12M2S01T | CRYSTAL OSCILLATOR | [M] |
| | | | |
| | | DISPLAY TUBE | |
| | | | |
| FL901 | RSL0303-F | FL | [M] |
| | | | |
| | | FUSES | |
| | | | |
| F1 | XBA2C31TB0 | FUSE | [M] ⚠ |
| F3 | XBA2C63TB0 | FUSE | [M] ⚠ |
| F4 | XBA2C63TB0 | FUSE | [M] ⚠ |
| F5 | XBA2C10TB0 | FUSE | [M] ⚠ |
| | | | |
| | | FUSE HOLDERS | |
| | | | |
| FC701 | EYF52BC | FUSE HOLDER | [M] |
| FC702 | EYF52BC | FUSE HOLDER | [M] |
| FC705 | EYF52BC | FUSE HOLDER | [M] |
| FC706 | EYF52BC | FUSE HOLDER | [M] |
| FC707 | EYF52BC | FUSE HOLDER | [M] |
| FC708 | EYF52BC | FUSE HOLDER | [M] |
| FC709 | EYF52BC | FUSE HOLDER | [M] |
| FC710 | EYF52BC | FUSE HOLDER | [M] |
| | | | |
| | | JACK | |
| | | | |
| HP601 | RJJ63TA01 | HP JACK | [M] |
| | | | |
| | | JACKS | |
| | | | |
| JK301 | RJS1D1304 | IC SPEAKER TERMINAL | [M] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| JK352 | SJFK5-2A | JK VCR IN | [M] |
| JK401 | SJF3068-7N | JK RCA TERMINAL | [M] |
| JK402 | RJH3601-1 | JK 6P RCA | [M] |
| JK403 | RJH3901 | JACK | [M] |
| JK404 | RJH3210N | JK 2P RCA PIN | [M] |
| JK405 | SJF3068-9N | JK RCA TERMINAL | [M] |
| JK406 | SJF3069-23N | JK LINE IN | [M] |
| JK407 | SJF3069N | JK LINE IN | [M] |
| JK601 | RJH4803 | JK SPEAKER | [M] |
| JK602 | RJH4602 | JK SPEAKER | [M] |
| JK791 | SJS9231-1B | JK SOCKET | [M] ⚠ |
| JK1301 | SJFD7-9 | JK 1 PIN RCA | [M] |
| JK1302 | T0RX178B | JK OPTICAL MODULE | [M] |
| JK1303 | T0RX178B | JK OPTICAL MODULE | [M] |
| | | | |
| | | EARTH TERMINAL | |
| | | | |
| E351 | SNE1004-2 | EARTH TERMINAL | [M] |
| E401 | SNE1004-2 | EARTH TERMINAL | [M] |
| E601 | SNE1004-2 | EARTH TERMINAL | [M] |
| E1701 | SMY944 | HEAT SINK | [M] |
| | | | |
| | | WIRES | |
| | | | |
| W1 | REE0901 | WIRE | [M] |
| W2 | REE0907 | WIRE | [M] |
| W102 | RWJ1812150CQ | WIRE | [M] |
| W103 | RWJ1803050SQ | WIRE | [M] |
| W351 | REX1033 | WIRE | [M] |
| W352 | RWJ1803100SQ | 3P WIRE | [M] |
| W353 | REX1032 | WIRE | [M] |
| W354 | RWJ1806170SQ | WIRE | [M] |
| W355 | RWJ1803100SS | EARTH WIRE UNIT | [M] |
| W451 | REX1034 | WIRE | [M] |
| W506 | REX1031 | WIRE | [M] |
| W601 | RWJ1809150KQ | WIRE | [M] |
| W602 | RWJ1804150SS | 4P WIRE | [M] |
| W611 | REE1016 | WIRE | [M] |
| W612 | REE1017 | WIRE | [M] |
| W701 | RWJ1812270SS | WIRE | [M] |
| W702 | RWJ1803430SQ | 3P WIRE | [M] |
| W752 | RWJ1803310SQ | WIRE | [M] |
| W905 | RWJ1812170SQ | WIRE | [M] |
| W906 | RWJ1810170SQ | WIRE | [M] |
| W907 | RWJ1805100SS | 5P WIRE | [M] |
| | | | |
| | | RESISTORS | |
| | | | |
| R301 | ERDS2TJ750T | 75 1/4W | [M] |
| R302 | ERDS2TJ104T | 100K 1/4W | [M] |
| R303 | ERDS2TJ103T | 10K 1/4W | [M] |
| R304 | ERDS2TJ750T | 75 1/4W | [M] |
| R305 | ERDS2TJ750T | 75 1/4W | [M] |
| R306 | ERDS2TJ104T | 100K 1/4W | [M] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R307 | ERDS2TJ103T | 10K 1/4W | [M] |
| R308 | ERDS2TJ750T | 75 1/4W | [M] |
| R309 | ERDS2TJ750T | 75 1/4W | [M] |
| R310 | ERDS2TJ750T | 75 1/4W | [M] |
| R311 | ERDS2TJ750T | 75 1/4W | [M] |
| R312 | ERDS2TJ750T | 75 1/4W | [M] |
| R313 | ERDS2TJ750T | 75 1/4W | [M] |
| R314 | ERDS2TJ750T | 75 1/4W | [M] |
| R315 | ERDS2TJ102T | 1K 1/4W | [M] |
| R316 | ERDS2TJ102T | 1K 1/4W | [M] |
| R351 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R352 | ERDS2TJ750T | 75 1/4W | [M] |
| R353 | ERDS2TJ103T | 10K 1/4W | [M] |
| R354 | ERDS2TJ750T | 75 1/4W | [M] |
| R355 | ERDS2TJ103T | 10K 1/4W | [M] |
| R356 | ERDS2TJ750T | 75 1/4W | [M] |
| R357 | ERDS2TJ103T | 10K 1/4W | [M] |
| R358 | ERDS2TJ750T | 75 1/4W | [M] |
| R359 | ERDS2TJ103T | 10K 1/4W | [M] |
| R360 | ERDS2TJ750T | 75 1/4W | [M] |
| R361 | ERDS2TJ750T | 75 1/4W | [M] |
| R362 | ERDS2TJ750T | 75 1/4W | [M] |
| R363 | ERDS2TJ102T | 1K 1/4W | [M] |
| R364 | ERDS2TJ102T | 1K 1/4W | [M] |
| R365 | ERDS2TJ102T | 1K 1/4W | [M] |
| R367 | ERDS2TJ182T | 1.8K 1/4W | [M] |
| R368 | ERDS2TJ182T | 1.8K 1/4W | [M] |
| R369 | ERD2FCVG220T | 22 1/4W | [M] ⚠ |
| R370 | ERD2FCVG220T | 22 1/4W | [M] ⚠ |
| R401 | ERDS2TJ102T | 1K 1/4W | [M] |
| R402 | ERDS2TJ102T | 1K 1/4W | [M] |
| R403 | ERDS2TJ102T | 1K 1/4W | [M] |
| R404 | ERDS2TJ102T | 1K 1/4W | [M] |
| R405 | ERDS2TJ102T | 1K 1/4W | [M] |
| R406 | ERDS2TJ102T | 1K 1/4W | [M] |
| R407 | ERDS2TJ102T | 1K 1/4W | [M] |
| R408 | ERDS2TJ102T | 1K 1/4W | [M] |
| R409 | ERDS2TJ102T | 1K 1/4W | [M] |
| R410 | ERDS2TJ102T | 1K 1/4W | [M] |
| R411 | ERDS2TJ102T | 1K 1/4W | [M] |
| R412 | ERDS2TJ102T | 1K 1/4W | [M] |
| R413 | ERDS2TJ102T | 1K 1/4W | [M] |
| R414 | ERDS2TJ102T | 1K 1/4W | [M] |
| R415 | ERDS2TJ102T | 1K 1/4W | [M] |
| R416 | ERDS2TJ102T | 1K 1/4W | [M] |
| R417 | ERDS2TJ102T | 1K 1/4W | [M] |
| R418 | ERDS2TJ102T | 1K 1/4W | [M] |
| R419 | ERDS2TJ102T | 1K 1/4W | [M] |
| R420 | ERDS2TJ102T | 1K 1/4W | [M] |
| R421 | ERDS2TJ102T | 1K 1/4W | [M] |
| R422 | ERDS2TJ102T | 1K 1/4W | [M] |
| R423 | ERDS2TJ224T | 220K 1/4W | [M] |
| R424 | ERDS2TJ224T | 220K 1/4W | [M] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R425 | ERDS2TJ102T | 1K 1/4W | [M] |
| R426 | ERDS2TJ102T | 1K 1/4W | [M] |
| R427 | ERDS2TJ103T | 10K 1/4W | [M] |
| R428 | ERDS2TJ103T | 10K 1/4W | [M] |
| R429 | ERDS2TJ103T | 10K 1/4W | [M] |
| R431 | ERDS2TJ102T | 1K 1/4W | [M] |
| R432 | ERDS2TJ102T | 1K 1/4W | [M] |
| R433 | ERDS2TJ104T | 100K 1/4W | [M] |
| R434 | ERDS2TJ104T | 100K 1/4W | [M] |
| R435 | ERDS2TJ473T | 47K 1/4W | [M] |
| R436 | ERDS2TJ473T | 47K 1/4W | [M] |
| R437 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R438 | ERDS2TJ102T | 1K 1/4W | [M] |
| R439 | ERDS2TJ102T | 1K 1/4W | [M] |
| R440 | ERDS2TJ103T | 10K 1/4W | [M] |
| R441 | ERDS2TJ103T | 10K 1/4W | [M] |
| R442 | ERDS2TJ103T | 10K 1/4W | [M] |
| R443 | ERDS2TJ104T | 100K 1/4W | [M] |
| R444 | ERDS2TJ104T | 100K 1/4W | [M] |
| R449 | ERDS1FVJ560T | 56 1/2W | [M] |
| R450 | ERDS1FVJ560T | 56 1/2W | [M] |
| R451 | ERDS2TJ224T | 220K 1/4W | [M] |
| R452 | ERDS2TJ224T | 220K 1/4W | [M] |
| R453 | ERDS2TJ391T | 390 1/4W | [M] |
| R454 | ERDS2TJ391T | 390 1/4W | [M] |
| R455 | ERDS2TJ563T | 56K 1/4W | [M] |
| R456 | ERDS2TJ563T | 56K 1/4W | [M] |
| R457 | ERDS2TJ271T | 270 1/4W | [M] |
| R458 | ERDS2TJ271T | 270 1/4W | [M] |
| R459 | ERDS2TJ680T | 68 1/4W | [M] |
| R460 | ERDS2TJ680T | 68 1/4W | [M] |
| R461 | ERDS2TJ184T | 180K 1/4W | [M] |
| R462 | ERDS2TJ184T | 180K 1/4W | [M] |
| R463 | ERDS2TJ123T | 12K 1/4W | [M] |
| R464 | ERDS2TJ123T | 12K 1/4W | [M] |
| R465 | ERDS2TJ563T | 56K 1/4W | [M] |
| R466 | ERDS2TJ563T | 56K 1/4W | [M] |
| R467 | ERDS2TJ473T | 47K 1/4W | [M] |
| R468 | ERDS2TJ473T | 47K 1/4W | [M] |
| R469 | ERDS2TJ102T | 1K 1/4W | [M] |
| R470 | ERDS2TJ102T | 1K 1/4W | [M] |
| R471 | ERDS2TJ104T | 100K 1/4W | [M] |
| R472 | ERDS2TJ104T | 100K 1/4W | [M] |
| R473 | ERDS2TJ473T | 47K 1/4W | [M] |
| R474 | ERDS2TJ473T | 47K 1/4W | [M] |
| R475 | ERDS2TJ104T | 100K 1/4W | [M] |
| R476 | ERDS2TJ104T | 100K 1/4W | [M] |
| R477 | ERDS2TJ473T | 47K 1/4W | [M] |
| R478 | ERDS2TJ473T | 47K 1/4W | [M] |
| R479 | ERDS2TJ473T | 47K 1/4W | [M] |
| R480 | ERDS2TJ473T | 47K 1/4W | [M] |
| R481 | ERDS2TJ102T | 1K 1/4W | [M] |
| R482 | ERDS2TJ104T | 100K 1/4W | [M] |
| R483 | ERDS2TJ473T | 47K 1/4W | [M] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R484 | ERDS2TJ473T | 47K 1/4W | [M] |
| R485 | ERDS2TJ473T | 47K 1/4W | [M] |
| R501 | ERDS2TJ103T | 10K 1/4W | [M] |
| R502 | ERDS2TJ103T | 10K 1/4W | [M] |
| R503 | ERDS1FVJ2R2T | 2.2 1/2W | [M] ⚠ |
| R504 | ERDS1FVJ181T | 180 1/2W | [M] |
| R505 | ERDS1FVJ181T | 180 1/2W | [M] |
| R506 | ERDS1FVJ181T | 180 1/2W | [M] |
| R507 | ERDS1FVJ181T | 180 1/2W | [M] |
| R508 | ERDS1FVJ181T | 180 1/2W | [M] |
| R511 | ERDS2TJ563T | 56K 1/4W | [M] |
| R512 | ERDS2TJ563T | 56K 1/4W | [M] |
| R513 | ERDS2TJ474T | 470K 1/4W | [M] |
| R514 | ERDS2TJ474T | 470K 1/4W | [M] |
| R515 | ERDS2TJ474T | 470K 1/4W | [M] |
| R516 | ERDS2TJ474T | 470K 1/4W | [M] |
| R517 | ERDS2TJ473T | 47K 1/4W | [M] |
| R518 | ERDS2TJ102T | 1K 1/4W | [M] |
| R519 | ERDS2TJ682T | 6.8K 1/4W | [M] |
| R520 | ERDS2TJ473T | 47K 1/4W | [M] |
| R521 | ERDS2TJ223T | 22K 1/4W | [M] |
| R522 | ERDS2TJ223T | 22K 1/4W | [M] |
| R523 | ERDS2TJ392T | 3.9K 1/4W | [M] |
| R524 | ERDS2TJ392T | 3.9K 1/4W | [M] |
| R525 | ERDS2TJ222T | 2.2K 1/4W | [M] |
| R526 | ERDS2TJ222T | 2.2K 1/4W | [M] |
| R527 | ERDS2TJ122T | 1.2K 1/4W | [M] |
| R528 | ERDS2TJ122T | 1.2K 1/4W | [M] |
| R529 | ERDS2TJ393T | 39K 1/4W | [M] |
| R530 | ERDS2TJ393T | 39K 1/4W | [M] |
| R531 | ERDS2TJ332T | 3.3K 1/4W | [M] |
| R533 | ERDS2TJ473T | 47K 1/4W | [M] |
| R534 | ERDS2TJ473T | 47K 1/4W | [M] |
| R535 | ERDS2TJ102T | 1K 1/4W | [M] |
| R536 | ERDS2TJ102T | 1K 1/4W | [M] |
| R537 | ERDS2TJ682T | 6.8K 1/4W | [M] |
| R538 | ERDS2TJ682T | 6.8K 1/4W | [M] |
| R539 | ERDS2TJ473T | 47K 1/4W | [M] |
| R540 | ERDS2TJ473T | 47K 1/4W | [M] |
| R541 | ERDPS2VF122T | 1.2K 1/4W | [M] |
| R542 | ERDPS2VF122T | 1.2K 1/4W | [M] |
| R543 | ERDS2TJ181T | 180 1/4W | [M] |
| R544 | ERDS2TJ181T | 180 1/4W | [M] |
| R545 | ERDS2TJ122T | 1.2K 1/4W | [M] |
| R546 | ERDS2TJ122T | 1.2K 1/4W | [M] |
| R547 | ERDS2TJ122T | 1.2K 1/4W | [M] |
| R549 | ERDS2TJ334T | 330K 1/4W | [M] |
| R550 | ERDS2TJ334T | 330K 1/4W | [M] |
| R551 | ERDS2TJ334T | 330K 1/4W | [M] |
| R552 | ERDS2TJ334T | 330K 1/4W | [M] |
| R553 | ERDS2TJ334T | 330K 1/4W | [M] |
| R554 | ERDS2TJ181T | 180 1/4W | [M] |
| R555 | ERDS2TJ181T | 180 1/4W | [M] |
| R556 | ERDS2TJ181T | 180 1/4W | [M] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R559 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R560 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R563 | ERDS2TJ103T | 10K 1/4W | [M] |
| R564 | ERDS2TJ103T | 10K 1/4W | [M] |
| R565 | ERDS2TJ222T | 2.2K 1/4W | [M] |
| R566 | ERDS2TJ222T | 2.2K 1/4W | [M] |
| R567 | ERDS2TJ332T | 3.3K 1/4W | [M] |
| R568 | ERDS2TJ332T | 3.3K 1/4W | [M] |
| R569 | ERDS2TJ682T | 6.8K 1/4W | [M] |
| R570 | ERDS2TJ682T | 6.8K 1/4W | [M] |
| R571 | ERDS2TJ473T | 47K 1/4W | [M] |
| R572 | ERDS2TJ473T | 47K 1/4W | [M] |
| R573 | ERDS2TJ473T | 47K 1/4W | [M] |
| R574 | ERDS2TJ473T | 47K 1/4W | [M] |
| R575 | ERDS2TJ473T | 47K 1/4W | [M] |
| R576 | ERDS2TJ473T | 47K 1/4W | [M] |
| R577 | ERDS2TJ473T | 47K 1/4W | [M] |
| R579 | ERDS2TJ331T | 330 1/4W | [M] |
| R580 | ERDS2TJ331T | 330 1/4W | [M] |
| R581 | ERDS2TJ331T | 330 1/4W | [M] |
| R582 | ERDS2TJ331T | 330 1/4W | [M] |
| R583 | ERDS2TJ102T | 1K 1/4W | [M] |
| R584 | ERDS2TJ102T | 1K 1/4W | [M] |
| R585 | ERDS2TJ102T | 1K 1/4W | [M] |
| R586 | ERDS2TJ102T | 1K 1/4W | [M] |
| R587 | ERDS2TJ331T | 330 1/4W | [M] |
| R588 | ERDS2TJ331T | 330 1/4W | [M] |
| R589 | ERDS2TJ331T | 330 1/4W | [M] |
| R590 | ERDS2TJ331T | 330 1/4W | [M] |
| R591 | ERDS2TJ102T | 1K 1/4W | [M] |
| R592 | ERDS2TJ102T | 1K 1/4W | [M] |
| R593 | ERDS2TJ102T | 1K 1/4W | [M] |
| R594 | ERDS2TJ102T | 1K 1/4W | [M] |
| R595 | ERDS2TJ331T | 330 1/4W | [M] |
| R596 | ERDS2TJ331T | 330 1/4W | [M] |
| R597 | ERDS2TJ102T | 1K 1/4W | [M] |
| R598 | ERDS2TJ102T | 1K 1/4W | [M] |
| R601 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R602 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R603 | ERDPS2VF122T | 1.2K 1/4W | [M] |
| R604 | ERDPS2VF122T | 1.2K 1/4W | [M] |
| R605 | ERDS2TJ221T | 220 1/4W | [M] |
| R606 | ERDS2TJ221T | 220 1/4W | [M] |
| R607 | ERDPS2VF223T | 22K 1/4W | [M] |
| R608 | ERDPS2VF223T | 22K 1/4W | [M] |
| R609 | ERDS2TJ470T | 47 1/4W | [M] |
| R610 | ERDS2TJ470T | 47 1/4W | [M] |
| R611 | ERG1SJ100E | 10 1W | [M] |
| R612 | ERG1SJ100E | 10 1W | [M] |
| R616 | ERD25FVJ820T | 82 1/4W | [M] |
| R617 | ERD25FVJ820T | 82 1/4W | [M] ⚠ |
| R618 | ERD25FVJ820T | 82 1/4W | [M] ⚠ |
| R619 | ERD25FVJ820T | 82 1/4W | [M] ⚠ |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R620 | ERD25FVJ820T | 82 1/4W | [M] ⚠ |
| R621 | ERDS2TJ682T | 6.8K 1/4W | [M] |
| R622 | ERDS2TJ682T | 6.8K 1/4W | [M] |
| R623 | ERDS2TJ682T | 6.8K 1/4W | [M] |
| R624 | ERD25FVJ4R7T | 4.7 1/4W | [M] |
| R625 | ERG1SJ101E | 100 1W | [M] |
| R626 | ERG1SJ101E | 100 1W | [M] |
| R627 | ERG1SJ101E | 100 1W | [M] |
| R628 | ERG1SJ101E | 100 1W | [M] |
| R629 | ERDS2TJ102T | 1K 1/4W | [M] |
| R631 | ERDS2TJ154T | 150K 1/4W | [M] |
| R632 | ERDS2TJ184T | 180K 1/4W | [M] |
| R633 | ERDS2TJ473T | 47K 1/4W | [M] |
| R634 | ERDS2TJ274T | 270K 1/4W | [M] |
| R635 | ERDS2TJ103T | 10K 1/4W | [M] |
| R637 | ERDS2TJ154T | 150K 1/4W | [M] |
| R638 | ERDS2TJ154T | 150K 1/4W | [M] |
| R640 | ERDS2TJ682T | 6.8K 1/4W | [M] |
| R641 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R642 | ERDPS2VF122T | 1.2K 1/4W | [M] |
| R643 | ERDPS2VF223T | 22K 1/4W | [M] |
| R644 | ERG1SJ100E | 10 1W | [M] |
| R645 | ERDS2TJ470T | 47 1/4W | [M] |
| R646 | ERDS2TJ221T | 220 1/4W | [M] |
| R647 | ERDS2TJ221T | 220 1/4W | [M] |
| R648 | ERDS2TJ182T | 1.8K 1/4W | [M] |
| R650 | ERDS2TJ223T | 22K 1/4W | [M] |
| R651 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R652 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R653 | ERDPS2VF122T | 1.2K 1/4W | [M] |
| R654 | ERDPS2VF122T | 1.2K 1/4W | [M] |
| R655 | ERDS2TJ221T | 220 1/4W | [M] |
| R656 | ERDS2TJ221T | 220 1/4W | [M] |
| R657 | ERDPS2VF223T | 22K 1/4W | [M] |
| R658 | ERDPS2VF223T | 22K 1/4W | [M] |
| R659 | ERDS2TJ470T | 47 1/4W | [M] |
| R660 | ERDS2TJ470T | 47 1/4W | [M] |
| R661 | ERG1SJ100E | 10 1W | [M] |
| R662 | ERG1SJ100E | 10 1W | [M] |
| R671 | ERDS2TJ681T | 680 1/4W | [M] |
| R672 | ERDS2TJ122T | 1.2K 1/4W | [M] |
| R673 | ERDS2TJ124T | 120K 1/4W | [M] |
| R674 | ERD25FVJ4R7T | 4.7 1/4W | [M] |
| R675 | ERDS2TJ222T | 2.2K 1/4W | [M] |
| R676 | ERDS2TJ222T | 2.2K 1/4W | [M] |
| R679 | ERDS2TJ102T | 1K 1/4W | [M] |
| R680 | ERDS2TJ124T | 120K 1/4W | [M] |
| R681 | ERDS2TJ154T | 150K 1/4W | [M] |
| R682 | ERDS2TJ184T | 180K 1/4W | [M] |
| R683 | ERDS2TJ473T | 47K 1/4W | [M] |
| R684 | ERDS2TJ274T | 270K 1/4W | [M] |
| R685 | ERDS2TJ103T | 10K 1/4W | [M] |
| R687 | ERDS2TJ154T | 150K 1/4W | [M] |
| R688 | ERDS2TJ154T | 150K 1/4W | [M] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R691 | ERDS2TJ104T | 100K 1/4W | [M] |
| R694 | ERDS2TJ104T | 100K 1/4W | [M] |
| R705 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R706 | ERDS2TJ102T | 1K 1/4W | [M] |
| R707 | ERD25FVJ221T | 220 1/4W | [M] |
| R708 | ERDS2TJ152T | 1.5K 1/4W | [M] |
| R711 | ERDS2TJ752T | 7.5K 1/4W | [M] |
| R712 | ERDS2TJ682T | 6.8K 1/4W | [M] |
| R713 | ERDS2TJ390T | 39 1/4W | [M] |
| R714 | ERDS2TJ390T | 39 1/4W | [M] |
| R720 | ERDS2TJ103T | 10K 1/4W | [M] |
| R721 | ERDS1FVJ561T | 560 1/2W | [M] ⚠ |
| R722 | ERDS2TJ123T | 12K 1/4W | [M] |
| R723 | ERDS1FVJ1R2T | 1.2 1/2W | [M] ⚠ |
| R724 | ERDS1FVJ1R2T | 1.2 1/2W | [M] ⚠ |
| R725 | ERDS2TJ821T | 820 1/4W | [M] |
| R726 | ERD25FVJ101T | 100 1/4W | [M] ⚠ |
| R727 | ERD25FVJ101T | 100 1/4W | [M] ⚠ |
| R728 | ERDS2TJ274T | 270K 1/4W | [M] |
| R729 | ERDS2TJ274T | 270K 1/4W | [M] |
| R755 | ERDS2TJ222T | 2.2K 1/4W | [M] |
| R766 | ERDS2TJ473T | 47K 1/4W | [M] |
| R767 | ERDS2TJ154T | 150K 1/4W | [M] |
| R768 | ERDS2TJ102T | 1K 1/4W | [M] |
| R769 | ERDS2TJ103T | 10K 1/4W | [M] |
| R770 | ERDS2TJ104T | 100K 1/4W | [M] |
| R771 | ERDS2TJ104T | 100K 1/4W | [M] |
| R773 | ERDS2TJ103T | 10K 1/4W | [M] |
| R774 | ERDS2TJ155T | 1.5M 1/4W | [M] |
| R775 | ERDS2TJ331T | 330 1/4W | [M] |
| R776 | ERDS1FVJ220T | 22 1/2W | [M] |
| R777 | ERDS2TJ154T | 150K 1/4W | [M] |
| R778 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R779 | ERDS2TJ103T | 10K 1/4W | [M] |
| R780 | ERDS1FVJ3R9T | 3.9 1/2W | [M] |
| R782 | ERDS2TJ390T | 39 1/4W | [M] |
| R784 | ERDS2TJ154T | 150K 1/4W | [M] |
| R786 | ERDS2TJ154T | 150K 1/4W | [M] |
| R791 | ERDS2TJ123T | 12K 1/4W | [M] |
| R792 | ERDS2TJ123T | 12K 1/4W | [M] |
| R793 | ERDS2TJ123T | 12K 1/4W | [M] |
| R794 | ERDS2TJ123T | 12K 1/4W | [M] |
| R795 | ERDS2TJ223T | 22K 1/4W | [M] |
| R797 | ERDS2TJ223T | 22K 1/4W | [M] |
| R798 | ERDS2TJ223T | 22K 1/4W | [M] |
| R799 | ERDS2TJ682T | 6.8K 1/4W | [M] |
| R901 | ERDS2TJ104T | 100K 1/4W | [M] |
| R902 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R903 | ERDS2TJ271T | 270 1/4W | [M] |
| R904 | ERDS2TJ121T | 120 1/4W | [M] |
| R905 | ERDS2TJ101T | 100 1/4W | [M] |
| R906 | ERDS2TJ474T | 470K 1/4W | [M] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R907 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R908 | ERDS2TJ222T | 2.2K 1/4W | [M] |
| R909 | ERDS2TJ222T | 2.2K 1/4W | [M] |
| R910 | ERDS2TJ223T | 22K 1/4W | [M] |
| R911 | ERDS2TJ223T | 22K 1/4W | [M] |
| R912 | ERDS2TJ104T | 100K 1/4W | [M] |
| R913 | ERDS2TJ102T | 1K 1/4W | [M] |
| R914 | ERDS2TJ102T | 1K 1/4W | [M] |
| R915 | ERDS2TJ103T | 10K 1/4W | [M] |
| R916 | ERDS2TJ104T | 100K 1/4W | [M] |
| R917 | ERDS2TJ104T | 100K 1/4W | [M] |
| R918 | ERDS2TJ104T | 100K 1/4W | [M] |
| R919 | ERDS2TJ101T | 100 1/4W | [M] |
| R920 | ERDS2TJ101T | 100 1/4W | [M] |
| R921 | ERDS2TJ473T | 47K 1/4W | [M] |
| R922 | ERDS2TJ102T | 1K 1/4W | [M] |
| R923 | ERDS2TJ332T | 3.3K 1/4W | [M] |
| R924 | ERDS2TJ332T | 3.3K 1/4W | [M] |
| R926 | ERDS2TJ103T | 10K 1/4W | [M] |
| R928 | ERDS2TJ271T | 270 1/4W | [M] |
| R929 | ERDS2TJ271T | 270 1/4W | [M] |
| R930 | ERDS2TJ103T | 10K 1/4W | [M] |
| R931 | ERDS2TJ102T | 1K 1/4W | [M] |
| R932 | ERDS2TJ122T | 1.2K 1/4W | [M] |
| R933 | ERDS2TJ152T | 1.5K 1/4W | [M] |
| R934 | ERDS2TJ182T | 1.8K 1/4W | [M] |
| R935 | ERDS2TJ222T | 2.2K 1/4W | [M] |
| R936 | ERDS2TJ332T | 3.3K 1/4W | [M] |
| R937 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R938 | ERDS2TJ682T | 6.8K 1/4W | [M] |
| R939 | ERDS2TJ271T | 270 1/4W | [M] |
| R940 | ERDS2TJ103T | 10K 1/4W | [M] |
| R941 | ERDS2TJ102T | 1K 1/4W | [M] |
| R942 | ERDS2TJ122T | 1.2K 1/4W | [M] |
| R943 | ERDS2TJ152T | 1.5K 1/4W | [M] |
| R944 | ERDS2TJ182T | 1.8K 1/4W | [M] |
| R945 | ERDS2TJ222T | 2.2K 1/4W | [M] |
| R946 | ERDS2TJ332T | 3.3K 1/4W | [M] |
| R947 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R948 | ERDS2TJ271T | 270 1/4W | [M] |
| R949 | ERDS2TJ271T | 270 1/4W | [M] |
| R950 | ERDS2TJ271T | 270 1/4W | [M] |
| R951 | ERDS2TJ271T | 270 1/4W | [M] |
| R952 | ERDS2TJ103T | 10K 1/4W | [M] |
| R953 | ERDS2TJ103T | 10K 1/4W | [M] |
| R954 | ERDS2TJ101T | 100 1/4W | [M] |
| R955 | ERDS2TJ101T | 100 1/4W | [M] |
| R956 | ERDS2TJ102T | 1K 1/4W | [M] |
| R957 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R958 | ERDS2TJ473T | 47K 1/4W | [M] |
| R960 | ERDS2TJ104T | 100K 1/4W | [M] |
| R961 | ERDS2TJ104T | 100K 1/4W | [M] |
| R971 | ERDS2TJ102T | 1K 1/4W | [M] |
| R972 | ERDS2TJ102T | 1K 1/4W | [M] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R973 | ERDS2TJ102T | 1K 1/4W | [M] |
| R974 | ERDS2TJ102T | 1K 1/4W | [M] |
| R975 | ERDS2TJ104T | 100K 1/4W | [M] |
| R1012 | ERJ3GEYJ103Z | 10K 1/16W | [M] |
| R1013 | ERJ3GEYJ103Z | 10K 1/16W | [M] |
| R1014 | ERJ3GEYJ103Z | 10K 1/16W | [M] |
| R1015 | ERJ3GEYJ103Z | 10K 1/16W | [M] |
| R1016 | ERJ3GEYJ103Z | 10K 1/16W | [M] |
| R1017 | ERJ3GEYJ103Z | 10K 1/16W | [M] |
| R1018 | ERJ3GEYJ103Z | 10K 1/16W | [M] |
| R1019 | ERJ3GEYJ103Z | 10K 1/16W | [M] |
| R1020 | ERJ3GEYJ103Z | 10K 1/16W | [M] |
| R1021 | ERJ3GEYJ103Z | 10K 1/16W | [M] |
| R1022 | ERJ3GEYJ472V | 4.7K 1/16W | [M] |
| R1023 | ERJ3GEYJ103Z | 10K 1/16W | [M] |
| R1024 | ERJ3GEYJ472V | 4.7K 1/16W | [M] |
| R1025 | ERJ3GEYJ103Z | 10K 1/16W | [M] |
| R1026 | ERJ3GEYJ330V | 33 1/16W | [M] |
| R1027 | ERJ3GEYJ472V | 4.7K 1/16W | [M] |
| R1028 | ERJ3GEYJ333V | 33K 1/16W | [M] |
| R1029 | ERJ3GEYJ472V | 4.7K 1/16W | [M] |
| R1030 | ERJ3GEYJ105V | 1M 1/16W | [M] |
| R1031 | ERJ3GEYJ122V | 1.2K 1/16W | [M] |
| R1032 | ERJ3GEYJ330V | 33 1/16W | [M] |
| R1033 | ERJ3GEYJ102Z | 1K 1/16W | [M] |
| R1034 | ERJ3GEYJ102Z | 1K 1/16W | [M] |
| R1035 | ERJ3GEYJ102Z | 1K 1/16W | [M] |
| R1036 | ERJ3GEYJ102Z | 1K 1/16W | [M] |
| R1037 | ERJ3GEYJ104Z | 100K 1/16W | [M] |
| R1038 | ERJ3GEYJ102Z | 1K 1/16W | [M] |
| R1039 | ERJ3GEYJ104Z | 100K 1/16W | [M] |
| R1040 | ERJ3GEYJ102Z | 1K 1/16W | [M] |
| R1041 | ERJ3GEYJ330V | 33 1/16W | [M] |
| R1042 | ERJ3GEYJ330V | 33 1/16W | [M] |
| R1043 | ERJ3GEYJ470V | 47 1/16W | [M] |
| R1044 | ERJ3GEYJ470V | 47 1/16W | [M] |
| R1045 | ERJ3GEYJ470V | 47 1/16W | [M] |
| R1046 | ERJ3GEYJ102Z | 1K 1/16W | [M] |
| R1047 | ERJ3GEYJ1R5V | 1.5 1/16W | [M] |
| R1048 | ERJ3GEYJ104Z | 100K 1/16W | [M] |
| R1049 | ERJ3GEYJ102Z | 1K 1/16W | [M] |
| R1050 | ERJ3GEYJ102Z | 1K 1/16W | [M] |
| R1051 | ERJ3GEYJ102Z | 1K 1/16W | [M] |
| R1052 | ERJ3GEYJ102Z | 1K 1/16W | [M] |
| R1053 | ERJ3GEYJ102Z | 1K 1/16W | [M] |
| R1054 | ERJ3GEYJ102Z | 1K 1/16W | [M] |
| R1055 | ERJ3GEYJ102Z | 1K 1/16W | [M] |
| R1056 | ERJ3GEYJ102Z | 1K 1/16W | [M] |
| R1057 | ERJ3GEYJ102Z | 1K 1/16W | [M] |
| R1058 | ERJ3GEYJ102Z | 1K 1/16W | [M] |
| R1059 | ERJ3GEYJ102Z | 1K 1/16W | [M] |
| R1060 | ERJ3GEYJ102Z | 1K 1/16W | [M] |
| R1061 | ERJ3GEYJ102Z | 1K 1/16W | [M] |
| R1062 | ERJ3GEYJ102Z | 1K 1/16W | [M] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R1063 | ERJ3GEYJ102Z | 1K 1/16W | [M] |
| R1064 | ERJ3GEYJ331V | 330 1/16W | [M] |
| R1065 | ERJ3GEYJ331V | 330 1/16W | [M] |
| R1066 | ERJ3GEYJ331V | 330 1/16W | [M] |
| R1067 | ERJ3GEYJ331V | 330 1/16W | [M] |
| R1068 | ERJ3GEYJ473V | 47K 1/16W | [M] |
| R1069 | ERJ3GEYJ100V | 10 1/16W | [M] |
| R1201 | ERDS2TJ473T | 47K 1/4W | [M] |
| R1202 | ERDS2TJ473T | 47K 1/4W | [M] |
| R1203 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1204 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1205 | ERDS2TJ222T | 2.2K 1/4W | [M] |
| R1206 | ERDS2TJ222T | 2.2K 1/4W | [M] |
| R1207 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R1208 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R1209 | ERDS2TJ332T | 3.3K 1/4W | [M] |
| R1210 | ERDS2TJ332T | 3.3K 1/4W | [M] |
| R1211 | ERDS2TJ332T | 3.3K 1/4W | [M] |
| R1212 | ERDS2TJ332T | 3.3K 1/4W | [M] |
| R1213 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1214 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1215 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1216 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1217 | ERDS2TJ183T | 18K 1/4W | [M] |
| R1218 | ERDS2TJ183T | 18K 1/4W | [M] |
| R1219 | ERDS2TJ222T | 2.2K 1/4W | [M] |
| R1220 | ERDS2TJ222T | 2.2K 1/4W | [M] |
| R1221 | ERDS2TJ473T | 47K 1/4W | [M] |
| R1222 | ERDS2TJ473T | 47K 1/4W | [M] |
| R1223 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1224 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1225 | ERDS2TJ183T | 18K 1/4W | [M] |
| R1226 | ERDS2TJ183T | 18K 1/4W | [M] |
| R1227 | ERDS2TJ222T | 2.2K 1/4W | [M] |
| R1228 | ERDS2TJ222T | 2.2K 1/4W | [M] |
| R1229 | ERDS2TJ473T | 47K 1/4W | [M] |
| R1230 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R1231 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R1232 | ERDS2TJ473T | 47K 1/4W | [M] |
| R1233 | ERDS2TJ103T | 10K 1/4W | [M] |
| R1234 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1235 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1236 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1237 | ERDS2TJ473T | 47K 1/4W | [M] |
| R1238 | ERDS2TJ473T | 47K 1/4W | [M] |
| R1239 | ERDS2TJ104T | 100K 1/4W | [M] |
| R1240 | ERDS2TJ104T | 100K 1/4W | [M] |
| R1241 | ERDS2TJ101T | 100 1/4W | [M] |
| R1242 | ERDS2TJ101T | 100 1/4W | [M] |
| R1243 | ERDS2TJ473T | 47K 1/4W | [M] |
| R1244 | ERDS2TJ473T | 47K 1/4W | [M] |
| R1245 | ERDS2TJ104T | 100K 1/4W | [M] |
| R1246 | ERDS2TJ104T | 100K 1/4W | [M] |
| R1247 | ERDS2TJ102T | 1K 1/4W | [M] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R1249 | ERDS2TJ101T | 100 1/4W | [M] |
| R1250 | ERDS2TJ101T | 100 1/4W | [M] |
| R1251 | ERDS2TJ473T | 47K 1/4W | [M] |
| R1252 | ERDS2TJ473T | 47K 1/4W | [M] |
| R1253 | ERDS2TJ104T | 100K 1/4W | [M] |
| R1254 | ERDS2TJ104T | 100K 1/4W | [M] |
| R1256 | ERDS2TJ272T | 2.7K 1/4W | [M] |
| R1257 | ERDS2TJ101T | 100 1/4W | [M] |
| R1258 | ERDS2TJ121T | 120 1/4W | [M] |
| R1259 | ERDS2TJ473T | 47K 1/4W | [M] |
| R1260 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1261 | ERDS2TJ224T | 220K 1/4W | [M] |
| R1262 | ERDS2TJ224T | 220K 1/4W | [M] |
| R1263 | ERDS2TJ223T | 22K 1/4W | [M] |
| R1264 | ERDS2TJ223T | 22K 1/4W | [M] |
| R1265 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R1266 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R1267 | ERDS2TJ103T | 10K 1/4W | [M] |
| R1268 | ERDS2TJ103T | 10K 1/4W | [M] |
| R1269 | ERDS2TJ103T | 10K 1/4W | [M] |
| R1270 | ERDS2TJ103T | 10K 1/4W | [M] |
| R1271 | ERDS2TJ103T | 10K 1/4W | [M] |
| R1272 | ERDS2TJ103T | 10K 1/4W | [M] |
| R1273 | ERDS2TJ473T | 47K 1/4W | [M] |
| R1274 | ERDS2TJ473T | 47K 1/4W | [M] |
| R1275 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R1301 | ERDS2TJ151T | 150 1/4W | [M] |
| R1302 | ERDS2TJ100T | 10 1/4W | [M] |
| R1303 | ERDS2TJ470T | 47 1/4W | [M] |
| R1304 | ERDS2TJ332T | 3.3K 1/4W | [M] |
| R1305 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1306 | ERDS2TJ470T | 47 1/4W | [M] |
| R1307 | ERDS2TJ332T | 3.3K 1/4W | [M] |
| R1308 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1309 | ERDS2TJ470T | 47 1/4W | [M] |
| R1351 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1352 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1353 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1679 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1680 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1681 | ERDS2TJ220T | 22 1/4W | [M] |
| R1682 | ERDS2TJ220T | 22 1/4W | [M] |
| R1683 | ERDS2TJ220T | 22 1/4W | [M] |
| R1684 | ERDS2TJ220T | 22 1/4W | [M] |
| R1685 | ERDS2TJ220T | 22 1/4W | [M] |
| R1686 | ERDS2TJ220T | 22 1/4W | [M] |
| R1687 | ERDS2TJ220T | 22 1/4W | [M] |
| R1688 | ERDS2TJ220T | 22 1/4W | [M] |
| R1689 | ERDS2TJ220T | 22 1/4W | [M] |
| R1690 | ERDS2TJ220T | 22 1/4W | [M] |
| R1691 | ERDS2TJ220T | 22 1/4W | [M] |
| R1692 | ERDS2TJ220T | 22 1/4W | [M] |
| R1693 | ERDS2TJ220T | 22 1/4W | [M] |
| R1694 | ERDS2TJ220T | 22 1/4W | [M] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R1695 | ERDS2TJ220T | 22 1/4W | [M] |
| R1696 | ERDS2TJ220T | 22 1/4W | [M] |
| R1697 | ERDS2TJ220T | 22 1/4W | [M] |
| R1698 | ERDS2TJ220T | 22 1/4W | [M] |
| R1699 | ERDS2TJ332T | 3.3K 1/4W | [M] |
| R1701 | ERDS1FVJ4R7T | 4.7 1/2W | [M] ⚠ |
| R1702 | ERDS1FVJ4R7T | 4.7 1/2W | [M] ⚠ |
| R1707 | ERDS2TJ821T | 820 1/4W | [M] |
| R1708 | ERDS2TJ331T | 330 1/4W | [M] |
| R1709 | ERDS2TJ331T | 330 1/4W | [M] |
| R1710 | ERDS2TJ272T | 2.7K 1/4W | [M] |
| R1711 | ER0S2TKF3900 | 39 1/4W | [M] |
| R1712 | ER0S2TKF3900 | 39 1/4W | [M] |
| R1715 | ERDS2TJ392T | 3.9K 1/4W | [M] |
| R1901 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1902 | ERDS2TJ472T | 4.7K 1/4W | [M] |
| R1903 | ERDS2TJ104T | 100K 1/4W | [M] |
| R1904 | ERDS2TJ121T | 120 1/4W | [M] |
| R1905 | ERDS2TJ271T | 270 1/4W | [M] |
| R1906 | ERDS2TJ101T | 100 1/4W | [M] |
| R1907 | ERDS2TJ101T | 100 1/4W | [M] |
| R1909 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1910 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1911 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1912 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1913 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1914 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1915 | ERDS2TJ101T | 100 1/4W | [M] |
| R1916 | ERDS2TJ101T | 100 1/4W | [M] |
| R1917 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1918 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1919 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1920 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1922 | ERDS2TJ104T | 100K 1/4W | [M] |
| R1923 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1924 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1925 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1926 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1927 | ERDS2TJ102T | 1K 1/4W | [M] |
| R1928 | ERDS2TJ101T | 100 1/4W | [M] |
| R1929 | ERDS2TJ101T | 100 1/4W | [M] |
| R1930 | ERDS2TJ101T | 100 1/4W | [M] |
| R1931 | ERDS2TJ101T | 100 1/4W | [M] |
| R1932 | ERDS2TJ101T | 100 1/4W | [M] |
| R1933 | ERDS2TJ101T | 100 1/4W | [M] |
| R1934 | ERDS2TJ101T | 100 1/4W | [M] |
| R1935 | ERDS2TJ101T | 100 1/4W | [M] |
| R1936 | ERDS2TJ101T | 100 1/4W | [M] |
| R1937 | ERDS2TJ101T | 100 1/4W | [M] |
| R1938 | ERDS2TJ101T | 100 1/4W | [M] |
| R1939 | ERDS2TJ101T | 100 1/4W | [M] |
| R1940 | ERDS2TJ101T | 100 1/4W | [M] |
| R1941 | ERDS2TJ101T | 100 1/4W | [M] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R1942 | ERDS2TJ101T | 100 1/4W | [M] |
| R1943 | ERDS2TJ101T | 100 1/4W | [M] |
| R1946 | ERDS2TJ102T | 1K 1/4W | [M] |
| | | | |
| | | CAPACITORS | |
| | | | |
| C301 | ECA1CAK470XB | 47 16V | [M] |
| C302 | ECBT1H223KB5 | 0.022 50V | [M] |
| C303 | ECA1CAK470XB | 47 16V | [M] |
| C304 | ECBT1H223KB5 | 0.022 50V | [M] |
| C305 | ECBT1H470J5 | 47P 50V | [M] |
| C306 | ECBT1H470J5 | 47P 50V | [M] |
| C307 | ECBT1H470J5 | 47P 50V | [M] |
| C308 | ECBT1H470J5 | 47P 50V | [M] |
| C309 | ECBT1H104KB5 | 0.1 50V | [M] |
| C310 | ECBT1H104KB5 | 0.1 50V | [M] |
| C311 | ECBT1H104KB5 | 0.1 50V | [M] |
| C312 | ECBT1H104KB5 | 0.1 50V | [M] |
| C313 | ECA1CAK101XB | 100 16V | [M] |
| C314 | ECA1CAK101XB | 100 16V | [M] |
| C351 | ECA1CAK470XB | 47 16V | [M] |
| C352 | ECA1CAK470XB | 47 16V | [M] |
| C353 | ECA1CAK470XB | 47 16V | [M] |
| C354 | ECA1CAK470XB | 47 16V | [M] |
| C355 | ECBT1H470J5 | 47P 50V | [M] |
| C356 | ECBT1H470J5 | 47P 50V | [M] |
| C357 | ECBT1H470J5 | 47P 50V | [M] |
| C358 | ECBT1H103KB5 | 0.01 50V | [M] |
| C359 | ECBT1H104KB5 | 0.1 50V | [M] |
| C360 | ECBT1H104KB5 | 0.1 50V | [M] |
| C361 | ECA0JAK101XB | 100 6.3V | [M] |
| C362 | ECA0JAK101XB | 100 6.3V | [M] |
| C363 | ECA0JAK101XB | 100 6.3V | [M] |
| C364 | ECA0JAK101XB | 100 6.3V | [M] |
| C365 | ECBT1H103KB5 | 0.01 50V | [M] |
| C366 | ECBT1H103KB5 | 0.01 50V | [M] |
| C401 | ECA1EPXS100B | 10 25V | [M] |
| C402 | ECA1EPXS100B | 10 25V | [M] |
| C403 | ECBT1H103KB5 | 0.01 50V | [M] |
| C404 | ECBT1H103KB5 | 0.01 50V | [M] |
| C405 | ECBT1H101KB5 | 100P 50V | [M] |
| C406 | ECBT1H101KB5 | 100P 50V | [M] |
| C407 | ECA1EPXS100B | 10 25V | [M] |
| C408 | ECA1EPXS100B | 10 25V | [M] |
| C409 | ECA1EPXS100B | 10 25V | [M] |
| C410 | ECA1EPXS100B | 10 25V | [M] |
| C411 | ECBT1H103KB5 | 0.01 50V | [M] |
| C412 | ECBT1H103KB5 | 0.01 50V | [M] |
| C413 | ECA1EPXS100B | 10 25V | [M] |
| C414 | ECA1EPXS100B | 10 25V | [M] |
| C415 | ECBT1H103KB5 | 0.01 50V | [M] |
| C416 | ECBT1H103KB5 | 0.01 50V | [M] |
| C419 | ECBT1H103KB5 | 0.01 50V | [M] |
| C420 | ECBT1H103KB5 | 0.01 50V | [M] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| C421 | ECBT1H101KB5 | 100P 50V | [M] |
| C422 | ECBT1H101KB5 | 100P 50V | [M] |
| C423 | ECBT1H331KB5 | 330P 50V | [M] |
| C424 | ECBT1H331KB5 | 330P 50V | [M] |
| C425 | ECBT1H331KB5 | 330P 50V | [M] |
| C426 | ECBT1H331KB5 | 330P 50V | [M] |
| C427 | ECBT1H101KB5 | 100P 50V | [M] |
| C428 | ECBT1H101KB5 | 100P 50V | [M] |
| C429 | ECBT1H101KB5 | 100P 50V | [M] |
| C430 | ECBT1H101KB5 | 100P 50V | [M] |
| C431 | ECBT1H221KB5 | 220P 50V | [M] |
| C432 | ECBT1H221KB5 | 220P 50V | [M] |
| C433 | ECBT1H221KB5 | 220P 50V | [M] |
| C434 | ECBT1H221KB5 | 220P 50V | [M] |
| C435 | ECBT1H331KB5 | 330P 50V | [M] |
| C436 | ECBT1H331KB5 | 330P 50V | [M] |
| C437 | ECBT1H101KB5 | 100P 50V | [M] |
| C438 | ECBT1H101KB5 | 100P 50V | [M] |
| C439 | ECBT1H331KB5 | 330P 50V | [M] |
| C440 | ECBT1H331KB5 | 330P 50V | [M] |
| C441 | ECBT1H101KB5 | 100P 50V | [M] |
| C442 | ECBT1H101KB5 | 100P 50V | [M] |
| C443 | ECBT1H103KB5 | 0.01 50V | [M] |
| C444 | ECBT1H101KB5 | 100P 50V | [M] |
| C445 | ECA1EPXS100B | 10 25V | [M] |
| C446 | ECA1EPXS100B | 10 25V | [M] |
| C451 | ECA1HAK4R7XB | 4.7 50V | [M] |
| C452 | ECA1HAK4R7XB | 4.7 50V | [M] |
| C453 | ECBT1H100J5 | 10P 50V | [M] |
| C454 | ECBT1H100J5 | 10P 50V | [M] |
| C455 | ECBT1H102KB5 | 1000P 50V | [M] |
| C456 | ECBT1H102KB5 | 1000P 50V | [M] |
| C457 | ECA1AAK330XB | 33 10V | [M] |
| C458 | ECA1AAK330XB | 33 10V | [M] |
| C459 | ECQB1H223JF3 | 0.022 50V | [M] |
| C460 | ECQB1H223JF3 | 0.022 50V | [M] |
| C461 | ECQB1H682JF3 | 6800P 50V | [M] |
| C462 | ECQB1H682JF3 | 6800P 50V | [M] |
| C463 | ECA1HAK4R7XB | 4.7 50V | [M] |
| C464 | ECA1HAK4R7XB | 4.7 50V | [M] |
| C465 | ECBT1H103KB5 | 0.01 50V | [M] |
| C466 | ECBT1H103KB5 | 0.01 50V | [M] |
| C467 | ECBT1H103KB5 | 0.01 50V | [M] |
| C468 | ECBT1H101KB5 | 100P 50V | [M] |
| C469 | ECBT1H181KB5 | 180P 50V | [M] |
| C470 | ECBT1H181KB5 | 180P 50V | [M] |
| C471 | ECA1HPXS4R7B | 4.7 50V | [M] |
| C472 | ECA1HPXS4R7B | 4.7 50V | [M] |
| C473 | ECA1HPXS4R7B | 4.7 50V | [M] |
| C474 | ECA1HPXS4R7B | 4.7 50V | [M] |
| C475 | ECBT1H103KB5 | 0.01 50V | [M] |
| C476 | ECBT1H103KB5 | 0.01 50V | [M] |
| C477 | ECA1EPXS100B | 10 25V | [M] |
| C478 | ECA1EPXS100B | 10 25V | [M] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| C479 | ECBT1H103KB5 | 0.01 50V | [M] |
| C480 | ECBT1H103KB5 | 0.01 50V | [M] |
| C481 | ECA1CPXS330B | 33 16V | [M] |
| C482 | ECA1CPXS330B | 33 16V | [M] |
| C483 | ECA1HPXS4R7B | 4.7 50V | [M] |
| C484 | ECBT1H331KB5 | 330P 50V | [M] |
| C485 | ECA1CPXS330B | 33 16V | [M] |
| C486 | ECA1CPXS330B | 33 16V | [M] |
| C487 | ECA1CPXS330B | 33 16V | [M] |
| C488 | ECBT1H101KB5 | 100P 50V | [M] |
| C489 | ECA1EPXS100B | 10 25V | [M] |
| C490 | ECA1EPXS100B | 10 25V | [M] |
| C493 | ECBT1H101KB5 | 100P 50V | [M] |
| C501 | ECA0JAK101XB | 100 6.3V | [M] |
| C502 | ECA0JAK101XB | 100 6.3V | [M] |
| C503 | ECQB1H104JF3 | 0.1 50V | [M] |
| C504 | ECQB1H104JF3 | 0.1 50V | [M] |
| C511 | ECA1HAK4R7XB | 4.7 50V | [M] |
| C512 | ECA1HAK4R7XB | 4.7 50V | [M] |
| C513 | ECBT1H101KB5 | 100P 50V | [M] |
| C514 | ECBT1H101KB5 | 100P 50V | [M] |
| C515 | ECBT1H221KB5 | 220P 50V | [M] |
| C516 | ECBT1H221KB5 | 220P 50V | [M] |
| C517 | ECBT1H330J5 | 33P 50V | [M] |
| C518 | ECBT1H330J5 | 33P 50V | [M] |
| C519 | ECA1HAK4R7XB | 4.7 50V | [M] |
| C520 | ECA1HAK4R7XB | 4.7 50V | [M] |
| C521 | ECA1HAK4R7XB | 4.7 50V | [M] |
| C522 | ECA1HAK4R7XB | 4.7 50V | [M] |
| C523 | ECQB1H123JF3 | 0.012 50V | [M] |
| C524 | ECQB1H123JF3 | 0.012 50V | [M] |
| C525 | ECQV1H683JZ3 | 0.068 50V | [M] |
| C526 | ECQV1H683JZ3 | 0.068 50V | [M] |
| C527 | ECQB1H562JF3 | 5600P 50V | [M] |
| C528 | ECQB1H562JF3 | 5600P 50V | [M] |
| C529 | ECQB1H273JF3 | 0.027 50V | [M] |
| C530 | ECQB1H273JF3 | 0.027 50V | [M] |
| C531 | ECBT1H103KB5 | 0.01 50V | [M] |
| C532 | ECBT1H103KB5 | 0.01 50V | [M] |
| C533 | ECA1EAK100XB | 10 25V | [M] |
| C534 | ECA1EAK100XB | 10 25V | [M] |
| C541 | ECBT1H560J5 | 56P 50V | [M] |
| C542 | ECBT1H560J5 | 56P 50V | [M] |
| C543 | ECBT1H560J5 | 56P 50V | [M] |
| C544 | ECBT1H560J5 | 56P 50V | [M] |
| C545 | ECBT1H560J5 | 56P 50V | [M] |
| C547 | ECQB1H104JF3 | 0.1 50V | [M] |
| C548 | ECQB1H104JF3 | 0.1 50V | [M] |
| C549 | ECA1EPX470B | 47 25V | [M] |
| C550 | ECA1EPX470B | 47 25V | [M] |
| C551 | ECQB1H104JF3 | 0.1 50V | [M] |
| C552 | ECQB1H104JF3 | 0.1 50V | [M] |
| C553 | ECA1EPXS100B | 10 25V | [M] |
| C554 | ECA1EPXS100B | 10 25V | [M] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| C555 | ECQB1H104JF3 | 0.1 50V | [M] |
| C561 | ECA1CPXS330B | 33 16V | [M] |
| C562 | ECA1CPXS330B | 33 16V | [M] |
| C563 | ECBT1H331KB5 | 330P 50V | [M] |
| C564 | ECBT1H331KB5 | 330P 50V | [M] |
| C565 | ECA1EPXS100B | 10 25V | [M] |
| C566 | ECA1EPXS100B | 10 25V | [M] |
| C567 | ECA1CPXS330B | 33 16V | [M] |
| C568 | ECA1CPXS330B | 33 16V | [M] |
| C569 | ECA1CPXS330B | 33 16V | [M] |
| C570 | ECA1CPXS330B | 33 16V | [M] |
| C571 | ECA1CPXS330B | 33 16V | [M] |
| C572 | ECBT1H104KB5 | 0.1 50V | [M] |
| C573 | ECA1EPXS470B | 47 25V | [M] |
| C574 | ECA1EPXS470B | 47 25V | [M] |
| C575 | ECBT1H103KB5 | 0.01 50V | [M] |
| C576 | ECBT1H103KB5 | 0.01 50V | [M] |
| C577 | ECA1EPXS100B | 10 25V | [M] |
| C578 | ECA1EPXS100B | 10 25V | [M] |
| C579 | ECA1EPXS100B | 10 25V | [M] |
| C580 | ECA1EPXS100B | 10 25V | [M] |
| C581 | ECBT1H271KB5 | 270P 50V | [M] |
| C582 | ECBT1H271KB5 | 270P 50V | [M] |
| C583 | ECA1CPXS330B | 33 16V | [M] |
| C584 | ECA1CPXS330B | 33 16V | [M] |
| C585 | ECA1EPXS100B | 10 25V | [M] |
| C586 | ECBT1H271KB5 | 270P 50V | [M] |
| C587 | ECA1CPXS330B | 33 16V | [M] |
| C588 | ECBT1H103KB5 | 0.01 50V | [M] |
| C589 | ECBT1H103KB5 | 0.01 50V | [M] |
| C590 | ECBT1H103KB5 | 0.01 50V | [M] |
| C591 | ECBT1H103KB5 | 0.01 50V | [M] |
| C601 | ECA1EPXS470B | 47 25V | [M] |
| C602 | ECA1EPXS470B | 47 25V | [M] |
| C603 | ECBT1H101KB5 | 100P 50V | [M] |
| C604 | ECBT1H101KB5 | 100P 50V | [M] |
| C607 | ECCR1H180KC5 | 18P 50V | [M] |
| C608 | ECCR1H180KC5 | 18P 50V | [M] |
| C611 | ECQB1H104JF3 | 0.1 50V | [M] |
| C612 | ECQB1H104JF3 | 0.1 50V | [M] |
| C613 | ECQB1H104JF3 | 0.1 50V | [M] |
| C614 | ECQB1H104JF3 | 0.1 50V | [M] |
| C616 | ECA1EAM101XB | 100 25V | [M] |
| C617 | ECEA2AN2R2SB | 2.2 100V | [M] |
| C618 | ECBT1H102KB5 | 1000P 50V | [M] |
| C621 | ECA1JPX470TB | 47 63V | [M] |
| C622 | ECA1JPX470TB | 47 63V | [M] |
| C625 | ECA1HAM470XB | 47 50V | [M] |
| C626 | ECA1HAM470XB | 47 50V | [M] |
| C627 | ECA1HAM470XB | 47 50V | [M] |
| C628 | ECA1HAM470XB | 47 50V | [M] |
| C631 | ECQB1H223JF3 | 0.022 50V | [M] |
| C632 | ECQB1H223JF3 | 0.022 50V | [M] |
| C633 | ECQB1H223JF3 | 0.022 50V | [M] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| C634 | ECQB1H223JF3 | 0.022 50V | [M] |
| C635 | ECBT1H103KB5 | 0.01 50V | [M] |
| C636 | ECQB1H223JF3 | 0.022 50V | [M] |
| C637 | ECQB1H223JF3 | 0.022 50V | [M] |
| C638 | ECQB1H223JF3 | 0.022 50V | [M] |
| C641 | ECA1EPXS470B | 47 25V | [M] |
| C642 | ECBT1H101KB5 | 100P 50V | [M] |
| C643 | ECCR1H180KC5 | 18P 50V | [M] |
| C644 | ECQB1H104JF3 | 0.1 50V | [M] |
| C645 | ECQB1H104JF3 | 0.1 50V | [M] |
| C647 | ECBT1H101KB5 | 100P 50V | [M] |
| C650 | ECCR1H180KC5 | 18P 50V | [M] |
| C651 | ECA1EPXS470B | 47 25V | [M] |
| C652 | ECA1EPXS470B | 47 25V | [M] |
| C653 | ECBT1H101KB5 | 100P 50V | [M] |
| C654 | ECBT1H101KB5 | 100P 50V | [M] |
| C657 | ECCR1H180KC5 | 18P 50V | [M] |
| C658 | ECCR1H180KC5 | 18P 50V | [M] |
| C661 | ECQB1H104JF3 | 0.1 50V | [M] |
| C662 | ECQB1H104JF3 | 0.1 50V | [M] |
| C663 | ECQB1H104JF3 | 0.1 50V | [M] |
| C664 | ECQB1H104JF3 | 0.1 50V | [M] |
| C665 | ECBT1H103KB5 | 0.01 50V | [M] |
| C666 | ECA1EAM101XB | 100 25V | [M] |
| C667 | ECEA2AN2R2SB | 2.2 100V | [M] |
| C668 | ECBT1H102KB5 | 1000P 50V | [M] |
| C671 | ECA1JPX470TB | 47 63V | [M] |
| C672 | ECA1JPX470TB | 47 63V | [M] |
| C701 | ECBT1H103KB5 | 0.01 50V | [M] |
| C702 | ECQE2104KF3 | 0.1 250V | [M] |
| C703 | ECES1JV103UN | 0.01 63V | [M] |
| C704 | ECES1JV103UN | 0.01 63V | [M] |
| C705 | ECES1VV472U | 4700 35V | [M] |
| C706 | ECES1VV472U | 4700 35V | [M] |
| C707 | ECA1VAM101XB | 100 35V | [M] |
| C708 | ECKR1H103KB5 | 0.01 50V | [M] |
| C709 | ECA1CAK330XB | 33 16V | [M] |
| C710 | ECBT1H103KB5 | 0.01 50V | [M] |
| C711 | ECKR1H103KB5 | 0.01 50V | [M] |
| C712 | ECA1HAK100XB | 10 50V | [M] |
| C713 | ECBT1H103KB5 | 0.01 50V | [M] |
| C714 | ECA1EPXS470B | 47 25V | [M] |
| C715 | ECA1CAK101XB | 100 16V | [M] |
| C721 | ECQE2104KF3 | 0.1 250V | [M] |
| C722 | ECQE2104KF3 | 0.1 250V | [M] |
| C741 | ECQE2104KF3 | 0.1 250V | [M] |
| C742 | ECA1CAM222XE | 2200 16V | [M] ⚠ |
| C751 | ECKWRS102MBC | 1000P 400V | [M] |
| C752 | ECKR1H103KB5 | 0.01 50V | [M] |
| C753 | ECA1EAM331XB | 330 25V | [M] |
| C754 | ECBT1H103KB5 | 0.01 50V | [M] |
| C755 | ECA1CAK470XB | 47 16V | [M] |
| C757 | ECA1CAK100XB | 10 16V | [M] |
| C758 | ECA1EAM101XB | 100 25V | [M] |

| | | | |
|---|---|---|---|
| [illegible] | [illegible] | [illegible] | [illegible] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| C771 | ECA1HAK4R7XB | 4.7 50V | [M] |
| C772 | ECA1HAK4R7XB | 4.7 50V | [M] |
| C773 | ECBT1H104KB5 | 0.1 50V | [M] |
| C774 | ECA0JAK101XB | 100 6.3V | [M] |
| C775 | ECA1CAK100XB | 10 16V | [M] |
| C776 | ECA1HAK010XB | 1 50V | [M] |
| C777 | ECA1CAM221XB | 220 16V | [M] |
| C778 | ECA1CAK101XB | 100 16V | [M] |
| C779 | ECA1CAK101XB | 100 16V | [M] |
| C780 | ECA1CAM471XB | 470 16V | [M] |
| C781 | ECBT1H103KB5 | 0.01 50V | [M] |
| C901 | ECA0JM102B | 1000P 6.3V | [M] |
| C902 | ECBT1H104KB5 | 0.1 50V | [M] |
| C903 | ECBT1H103KB5 | 0.01 50V | [M] |
| C904 | ECA0JM102B | 1000P 6.3V | [M] |
| C905 | ECA1HAK010XB | 1 50V | [M] |
| C906 | ECA1HAK010XB | 1 50V | [M] |
| C907 | ECBT1H103KB5 | 0.01 50V | [M] |
| C908 | ECA1HAK220XB | 22 50V | [M] |
| C909 | ECA1HAK220XB | 22 50V | [M] |
| C910 | ECA1HAK220XB | 22 50V | [M] |
| C911 | ECA1HAK220XB | 22 50V | [M] |
| C912 | ECA1HAK100XB | 10 50V | [M] |
| C913 | ECA1HAK100XB | 10 50V | [M] |
| C914 | ECBT1H102KB5 | 1000P 50V | [M] |
| C915 | ECBT1H102KB5 | 1000P 50V | [M] |
| C916 | ECBT1H101KB5 | 100P 50V | [M] |
| C917 | ECBT1H101KB5 | 100P 50V | [M] |
| C918 | ECBT1H101KB5 | 100P 50V | [M] |
| C919 | ECBT1H101KB5 | 100P 50V | [M] |
| C920 | ECBT1H101KB5 | 100P 50V | [M] |
| C921 | ECBT1H101KB5 | 100P 50V | [M] |
| C923 | ECA1CAK100XB | 10 16V | [M] |
| C924 | ECA1CAK100XB | 10 16V | [M] |
| C925 | ECBT1H103KB5 | 0.01 50V | [M] |
| C926 | ECBT1H101KB5 | 100P 50V | [M] |
| C927 | ECBT1H101KB5 | 100P 50V | [M] |
| C928 | ECBT1H103KB5 | 0.01 50V | [M] |
| C930 | ECA0JAK101XB | 100 6.3V | [M] |
| C931 | ECBT1H471KB5 | 470P 50V | [M] |
| C932 | ECBT1H471KB5 | 470P 50V | [M] |
| C970 | ECBT1H102KB5 | 1000P 50V | [M] |
| C971 | ECA0JAK101XB | 100 6.3V | [M] |
| C972 | ECBT1H470J5 | 47P 50V | [M] |
| C973 | ECBT1H470J5 | 47P 50V | [M] |
| C974 | ECBT1H561KB5 | 560P 50V | [M] |
| C975 | ECBT1H331KB5 | 330P 50V | [M] |
| C976 | ECA1CAK100XB | 10 16V | [M] |
| C977 | ECBT1H103KB5 | 0.01 50V | [M] |
| C978 | ECA0JAK101XB | 100 6.3V | [M] |
| C1003 | ECEV0JA101SP | 100 6.3V | [M] |
| C1004 | ECEV0JA101SP | 100 6.3V | [M] |
| C1005 | ECEV0JA101SP | 100 6.3V | [M] |
| C1006 | ECEV0JA101SP | 100 6.3V | [M] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| C1007 | ECEV1HA2R2SR | 2.2 50V | [M] |
| C1008 | ECEV0JA101SP | 100 6.3V | [M] |
| C1009 | ECEV0JA101SP | 100 6.3V | [M] |
| C1010 | ECEV0JA101SP | 100 6.3V | [M] |
| C1011 | ECEV0JA101SP | 100 6.3V | [M] |
| C1024 | ECUVNC104ZFV | 0.1 16V | [M] |
| C1025 | ECUVNC104ZFV | 0.1 16V | [M] |
| C1026 | ECUVNC104ZFV | 0.1 16V | [M] |
| C1027 | ECUVNC104ZFV | 0.1 16V | [M] |
| C1029 | ECUVNC104ZFV | 0.1 16V | [M] |
| C1030 | ECUV1H471JCV | 470P 50V | [M] |
| C1031 | ECUV1E103KBV | 0.01 25V | [M] |
| C1032 | ECUVNC104ZFV | 0.1 16V | [M] |
| C1033 | ECUV1H270JCV | 27P 50V | [M] |
| C1034 | ECUV1H101JCV | 100P 50V | [M] |
| C1035 | ECUV1H390JCV | 39P 50V | [M] |
| C1036 | ECUV1H101JCV | 100P 50V | [M] |
| C1037 | ECUV1H102KBV | 1000P 50V | [M] |
| C1038 | ECUV1H102KBV | 1000P 50V | [M] |
| C1039 | ECUV1H101JCV | 100P 50V | [M] |
| C1040 | ECUVNC104ZFV | 0.1 16V | [M] |
| C1041 | ECUVNC104ZFV | 0.1 16V | [M] |
| C1042 | ECUV1H102KBV | 1000P 50V | [M] |
| C1043 | ECUVNC104ZFV | 0.1 16V | [M] |
| C1044 | ECUV1H101JCV | 100P 50V | [M] |
| C1045 | ECUV1H101JCV | 100P 50V | [M] |
| C1046 | ECUV1H102KBV | 1000P 50V | [M] |
| C1047 | ECUV1H102KBV | 1000P 50V | [M] |
| C1048 | ECUVNC104ZFV | 0.1 16V | [M] |
| C1049 | ECUV1H102KBV | 1000P 50V | [M] |
| C1050 | ECUV1H102KBV | 1000P 50V | [M] |
| C1051 | ECUV1H152KBV | 1500P 50V | [M] |
| C1052 | ECUV1E103KBV | 0.01 25V | [M] |
| C1053 | ECUVNC104ZFV | 0.1 16V | [M] |
| C1201 | ECBT1C472KR5 | 4700P 16V | [M] |
| C1202 | ECBT1C472KR5 | 4700P 16V | [M] |
| C1203 | ECA1CPXS330B | 33 16V | [M] |
| C1204 | ECA1CPXS330B | 33 16V | [M] |
| C1205 | ECQB1H392JF3 | 3900P 50V | [M] |
| C1206 | ECQB1H392JF3 | 3900P 50V | [M] |
| C1207 | ECQB1H471JF3 | 470P 50V | [M] |
| C1208 | ECQB1H471JF3 | 470P 50V | [M] |
| C1209 | ECBT1H103KB5 | 0.01 50V | [M] |
| C1210 | ECBT1H103KB5 | 0.01 50V | [M] |
| C1211 | ECA1EPX470B | 47 25V | [M] |
| C1212 | ECA1EPX470B | 47 25V | [M] |
| C1213 | ECBT1C472KR5 | 4700P 16V | [M] |
| C1214 | ECBT1C472KR5 | 4700P 16V | [M] |
| C1215 | ECA1CPXS330B | 33 16V | [M] |
| C1216 | ECA1CPXS330B | 33 16V | [M] |
| C1217 | ECBT1C222KR5 | 2200P 16V | [M] |
| C1218 | ECBT1C222KR5 | 2200P 16V | [M] |
| C1219 | ECBT1H101KB5 | 100P 50V | [M] |
| C1220 | ECBT1H101KB5 | 100P 50V | [M] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| C1221 | ECBT1H103KB5 | 0.01 50V | [M] |
| C1222 | ECBT1H103KB5 | 0.01 50V | [M] |
| C1223 | ECA1EPX470B | 47 25V | [M] |
| C1224 | ECA1EPX470B | 47 25V | [M] |
| C1225 | ECBT1C472KR5 | 4700P 16V | [M] |
| C1226 | ECBT1H104KB5 | 0.1 50V | [M] |
| C1227 | ECA1CPXS330B | 33 16V | [M] |
| C1228 | ECA1CPXS330B | 33 16V | [M] |
| C1229 | ECBT1C222KR5 | 2200P 16V | [M] |
| C1230 | ECQV1H334JZ3 | 0.33 50V | [M] |
| C1231 | ECBT1H101KB5 | 100P 50V | [M] |
| C1232 | ECQB1H153JF3 | 0.015 50V | [M] |
| C1233 | ECA1EPXS100B | 10 25V | [M] |
| C1234 | ECBT1H104KB5 | 0.1 50V | [M] |
| C1235 | ECA1EPXS100B | 10 25V | [M] |
| C1237 | ECQV1H474JZ3 | 0.47 50V | [M] |
| C1238 | ECBT1H103KB5 | 0.01 50V | [M] |
| C1239 | ECBT1H103KB5 | 0.01 50V | [M] |
| C1240 | ECA1EPXS100B | 10 25V | [M] |
| C1241 | ECBT1H271KB5 | 270P 50V | [M] |
| C1242 | ECBT1H271KB5 | 270P 50V | [M] |
| C1243 | ECA1HPXS4R7B | 4.7 50V | [M] |
| C1244 | ECA1HPXS4R7B | 4.7 50V | [M] |
| C1245 | ECA1HPXS4R7B | 4.7 50V | [M] |
| C1246 | ECA1HPXS4R7B | 4.7 50V | [M] |
| C1251 | ECBT1H104KB5 | 0.1 50V | [M] |
| C1252 | ECBT1H104KB5 | 0.1 50V | [M] |
| C1253 | ECA1EPX470B | 47 25V | [M] |
| C1254 | ECA1EPX470B | 47 25V | [M] |
| C1255 | ECA1HPXS4R7B | 4.7 50V | [M] |
| C1256 | ECA1HPXS4R7B | 4.7 50V | [M] |
| C1257 | ECA1HPXS4R7B | 4.7 50V | [M] |
| C1258 | ECA1HPXS4R7B | 4.7 50V | [M] |
| C1261 | ECA1EPXS100B | 10 25V | [M] |
| C1262 | ECA1EPXS100B | 10 25V | [M] |
| C1263 | ECBT1H391KB5 | 390P 50V | [M] |
| C1264 | ECBT1H391KB5 | 390P 50V | [M] |
| C1265 | ECBT1H151KB5 | 150P 50V | [M] |
| C1266 | ECBT1H151KB5 | 150P 50V | [M] |
| C1267 | ECEA1CKN100B | 10 16V | [M] |
| C1268 | ECEA1CKN100B | 10 16V | [M] |
| C1269 | ECEA1CKN100B | 10 16V | [M] |
| C1270 | ECEA1CKN100B | 10 16V | [M] |
| C1271 | ECA1EPXS100B | 10 25V | [M] |
| C1272 | ECBT1H103KB5 | 0.01 50V | [M] |
| C1273 | ECBT1H104KB5 | 0.1 50V | [M] |
| C1274 | ECA1EPX470B | 47 25V | [M] |
| C1277 | ECBT1H104KB5 | 0.1 50V | [M] |
| C1278 | ECBT1H104KB5 | 0.1 50V | [M] |
| C1279 | ECA1EPX470B | 47 25V | [M] |
| C1280 | ECA1EPXS100B | 10 25V | [M] |
| C1281 | ECA1HPXS4R7B | 4.7 50V | [M] |
| C1282 | ECA1HPXS4R7B | 4.7 50V | [M] |
| C1283 | ECA1HPXS4R7B | 4.7 50V | [M] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| C1284 | ECA1HPXS4R7B | 4.7 50V | [M] |
| C1286 | ECBT1H104KB5 | 0.1 50V | [M] |
| C1291 | ECBT1H104KB5 | 0.1 50V | [M] |
| C1292 | ECBT1H104KB5 | 0.1 50V | [M] |
| C1294 | ECA1EPX470B | 47 25V | [M] |
| C1295 | ECA1EPXS100B | 10 25V | [M] |
| C1296 | ECBT1H104KB5 | 0.1 50V | [M] |
| C1301 | ECBT1H103KB5 | 0.01 50V | [M] |
| C1302 | ECBT1H104KB5 | 0.1 50V | [M] |
| C1303 | ECBT1H104KB5 | 0.1 50V | [M] |
| C1304 | ECBT1H150J5 | 15P 50V | [M] |
| C1305 | ECBT1H103KB5 | 0.01 50V | [M] |
| C1306 | ECBT1H104KB5 | 0.1 50V | [M] |
| C1307 | ECBT1H150J5 | 15P 50V | [M] |
| C1308 | ECBT1H103KB5 | 0.01 50V | [M] |
| C1309 | ECBT1H104KB5 | 0.1 50V | [M] |
| C1310 | ECBT1H103KB5 | 0.01 50V | [M] |
| C1311 | ECBT1H104KB5 | 0.1 50V | [M] |
| C1313 | ECA1EPX470B | 47 25V | [M] |
| C1351 | ECBT1H101KB5 | 100P 50V | [M] |
| C1352 | ECBT1H101KB5 | 100P 50V | [M] |
| C1353 | ECBT1H101KB5 | 100P 50V | [M] |
| C1683 | ECBT1C332KR5 | 3300P 16V | [M] |
| C1684 | ECBT1C332KR5 | 3300P 16V | [M] |
| C1685 | ECBT1H103KB5 | 0.01 50V | [M] |
| C1702 | ECA1CAM222XE | 2200 16V | [M] ⚠ |
| C1705 | ECA1HAK010XB | 1 50V | [M] |
| C1706 | ECBT1H103KB5 | 0.01 50V | [M] |
| C1707 | ECA1CAK101XB | 100 16V | [M] |
| C1710 | ECA1EPX470B | 47 25V | [M] |
| C1711 | ECA1EPX470B | 47 25V | [M] |
| C1901 | ECBT1H104KB5 | 0.1 50V | [M] |
| C1902 | ECA0JAK101XB | 100 6.3V | [M] |
| C1903 | ECBT1H103KB5 | 0.01 50V | [M] |
| C1904 | ECA1HAK010XB | 1 50V | [M] |
| C1905 | ECBT1H103KB5 | 0.01 50V | [M] |
| C1906 | ECBT1H103KB5 | 0.01 50V | [M] |
| C1907 | ECBT1H103KB5 | 0.01 50V | [M] |
| C1908 | ECA1HAK010XB | 1 50V | [M] |
| C1909 | ECBT1C472KR5 | 4700P 16V | [M] |
| C1910 | ECBT1H101KB5 | 100P 50V | [M] |
| C1911 | ECBT1H102KB5 | 1000P 50V | [M] |
| C1912 | ECBT1H101KB5 | 100P 50V | [M] |
| C1913 | ECBT1H101KB5 | 100P 50V | [M] |

## 13.3. Packing Materials & Accessories Parts List

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| | | PACKING MATERIALS | |
| | | | |
| P1 | RPG5345 | PACKING CASE | [M]K |
| P1 | RPG5346 | PACKING CASE | [M]N |
| P2 | RPN1309 | POLYFOAM | [M] |
| P3 | RPFX0005 | MIRAMAT BAG | [M] |
| | | | |
| | | ACCESSORIES | |
| | | | |
| A1 | EUR7502X60 | REMOTE CONTROL | [M] |
| A1-1 | UR75EC0103A | R/C BATTERY COVER | [M] |
| A2 | RJA0019-2K | AC CORD (SF) | [M]EG E ⚠ |
| A2 | VJA0733 | AC CORD (SF) | [M]EB ⚠ |
| A3 | RQT5858-R | O/I BOOK (Cz/Po/Ru/Sp) | [M]E |
| A3 | RQT5859-D | O/I BOOK (Fr/It/Ge) | [M]EG |
| A3 | RQT5860-H | O/I BOOK (Sw/Da/Du) | [M]EG |
| A3 | RQT5861-B | O/I BOOK (En) | [M]EB E |
| A4 | RSA0007-L | FM ANTENNA WIRE | [M] |
| A5 | RSA0012 | AM LOOP ANTENNA | [M] |
| A6 | SJP9009 | ANTENNA ADAPTER | [M]EB |

## 13.4. Packaging

**ACCESSORY CASE**

**A1 : REMOTE CONTROL**

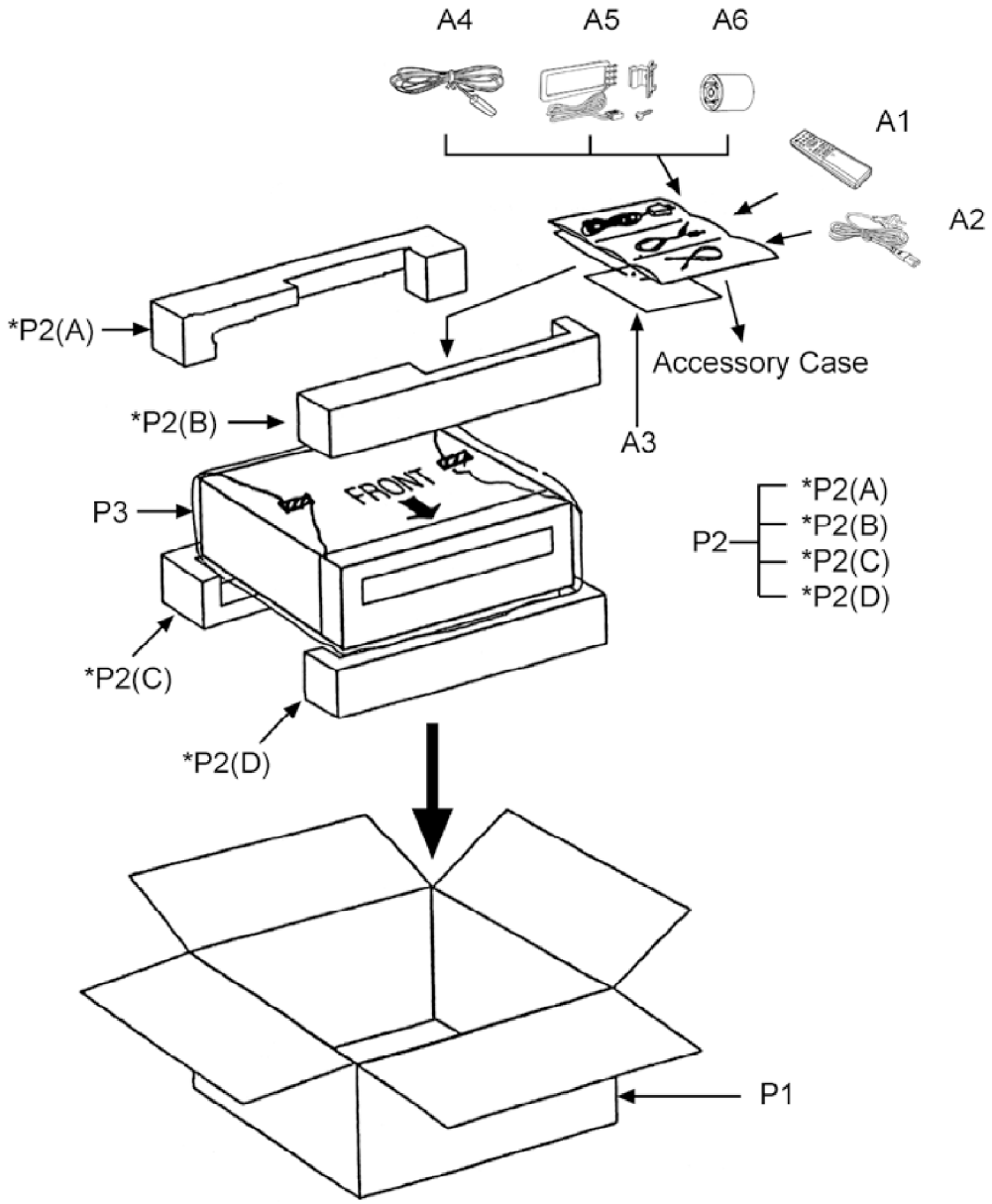
**A2 : AC CORD**

**A3 : O/I BOOK**

**A4 : FM ANTENNA WIRE**

**A5 : AM LOOP ANTENNA**

**A6 : ANTENNA ADAPTER**

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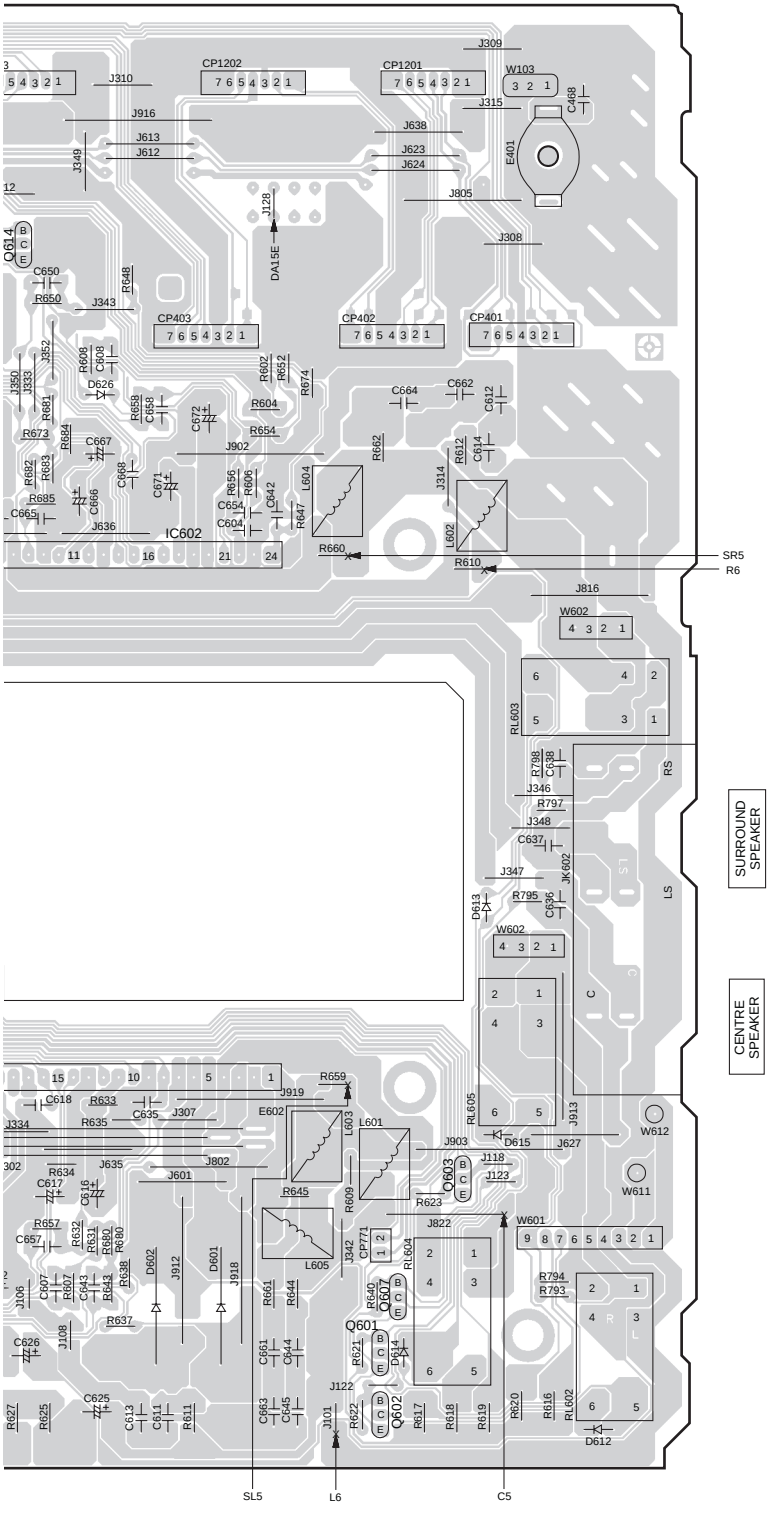
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CENTRE SPEAKER
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SL5
L6
C5
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Q602
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CP1201
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W103
W602
W612
W611
W601
E401
JK602
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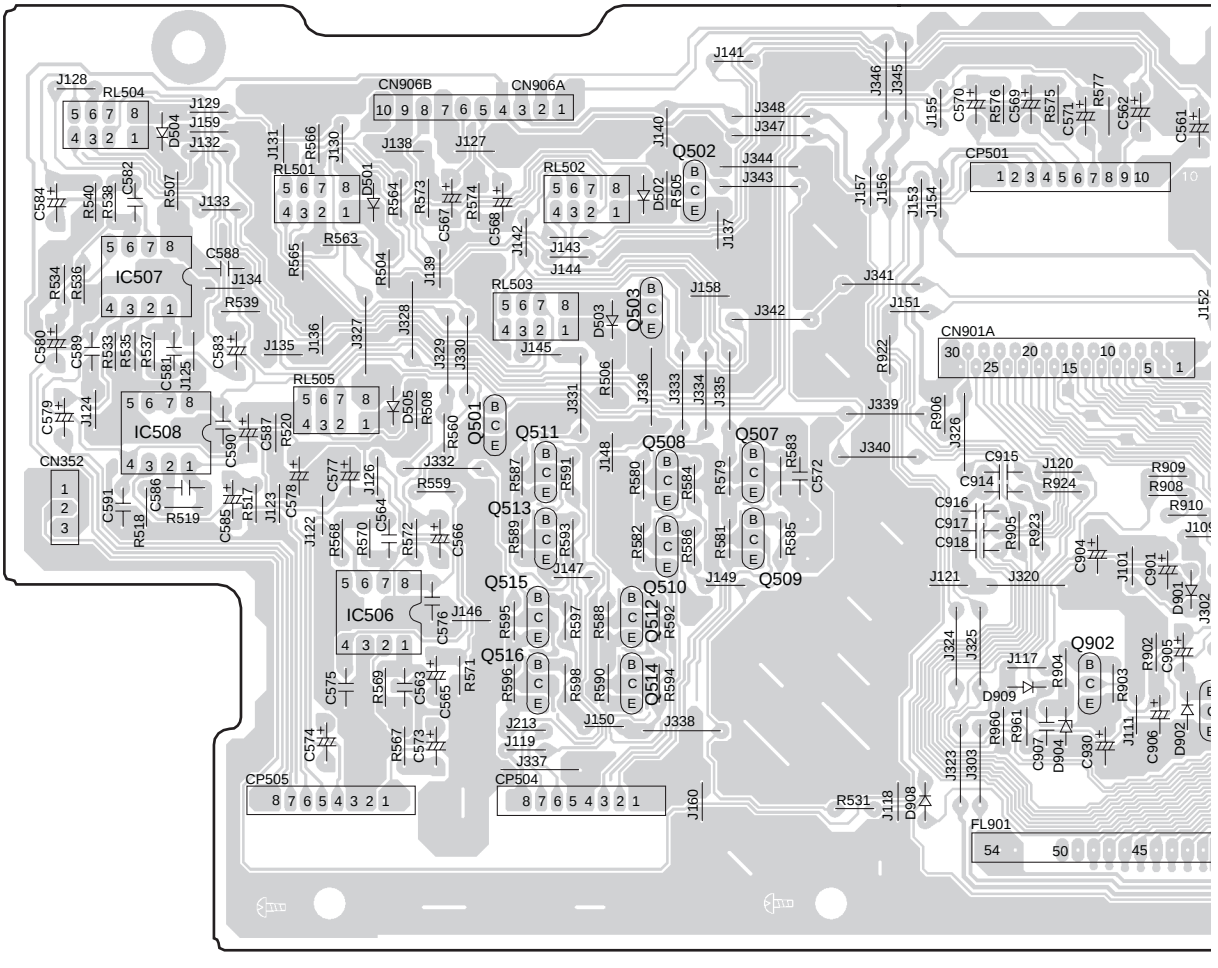
RS
LS
C
R
L

## C PANEL P.C.B. (REP3020L-S)



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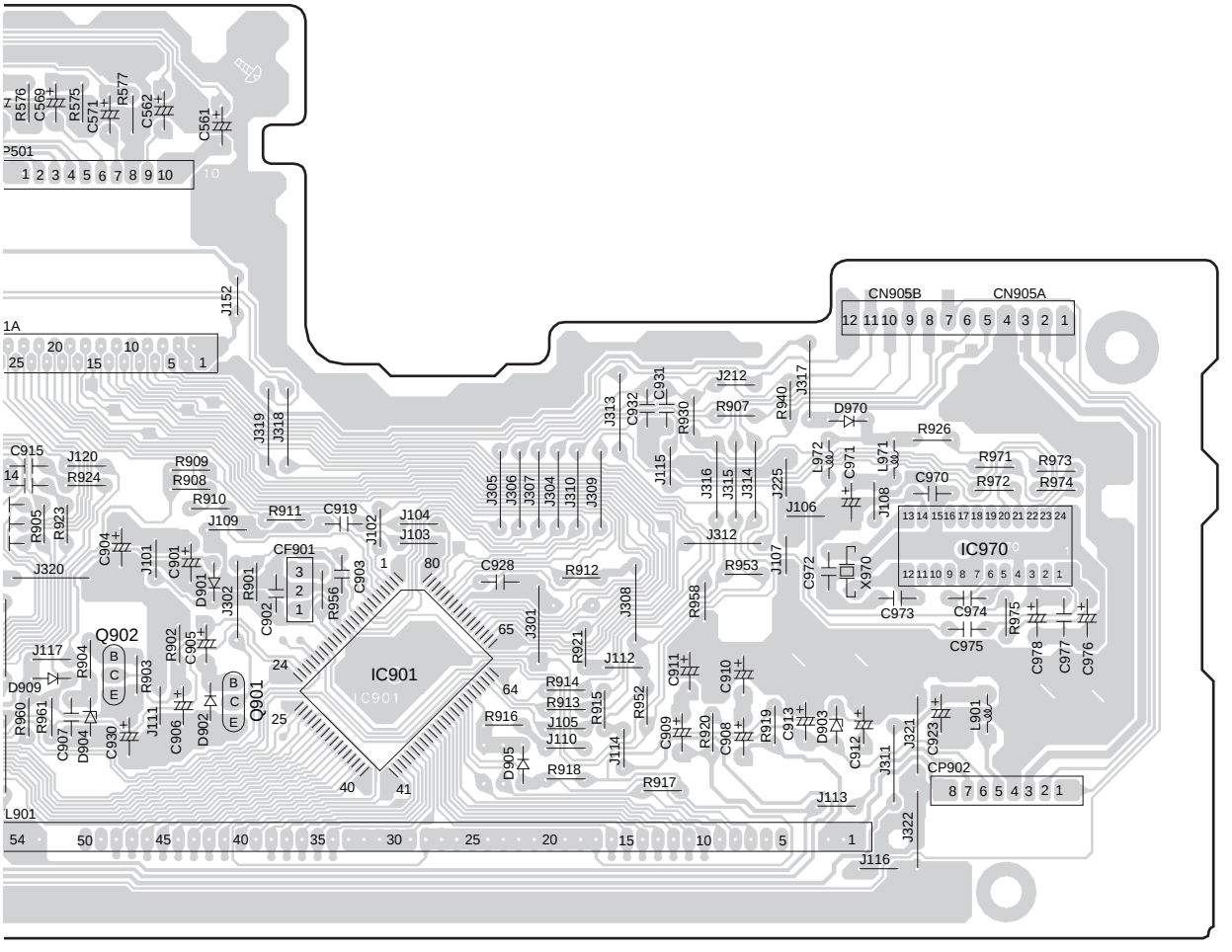
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CN905A
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IC970
IC901
Q902
Q901
CP902
8 7 6 5 4 3 2 1
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1 2 3 4 5 6 7 8 9 10
25 20 15 10 5 1
J152
J212
J317
J120
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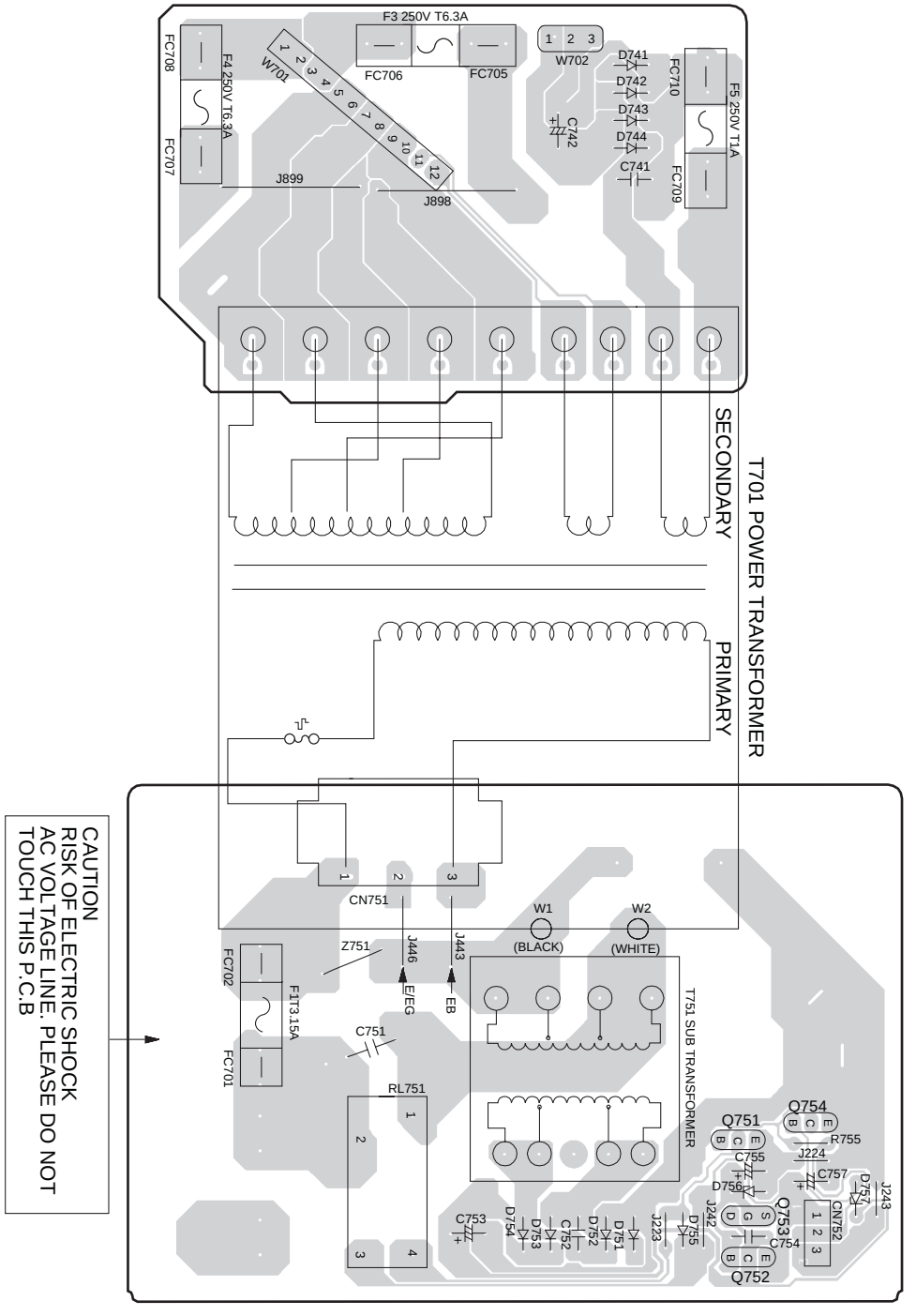
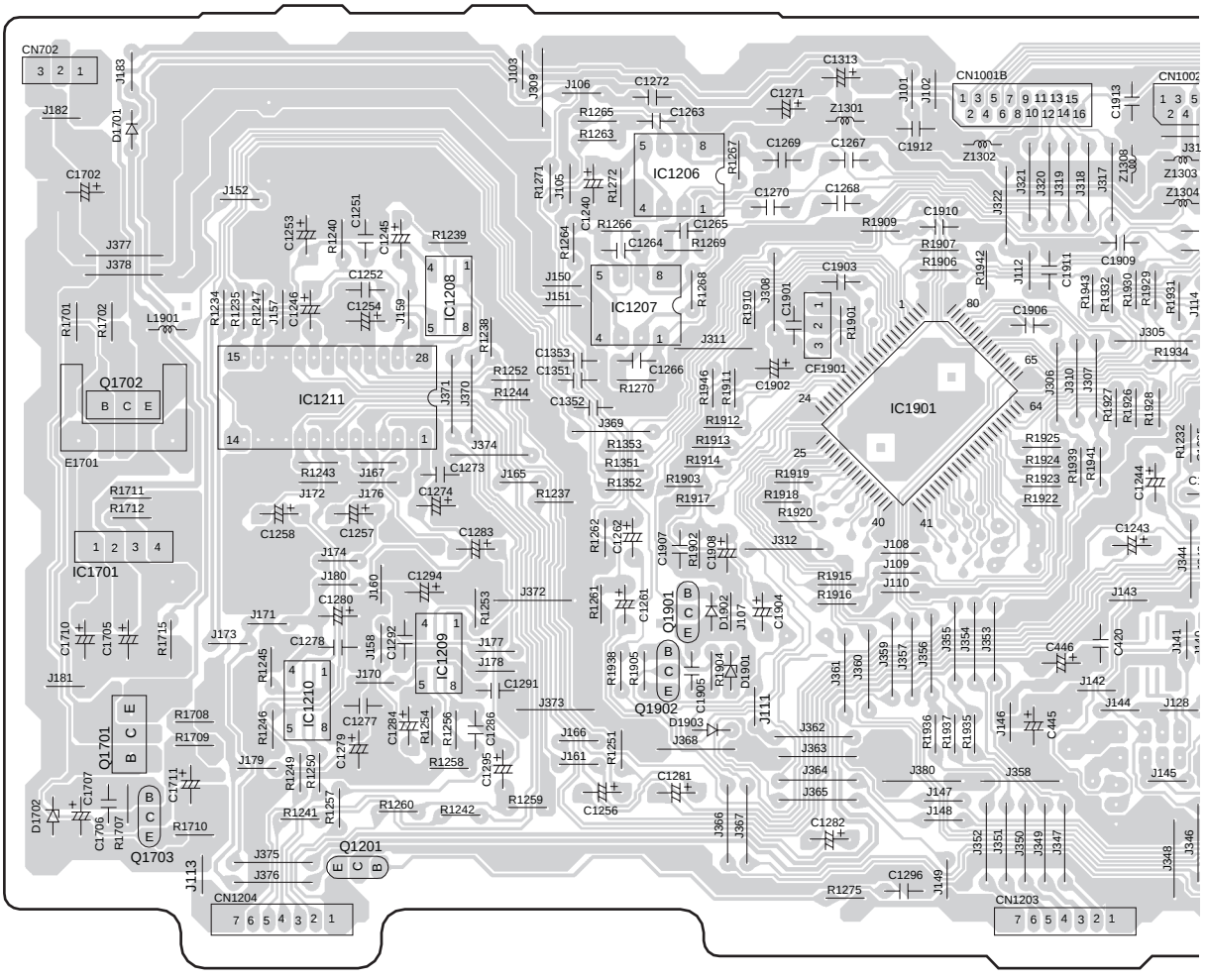
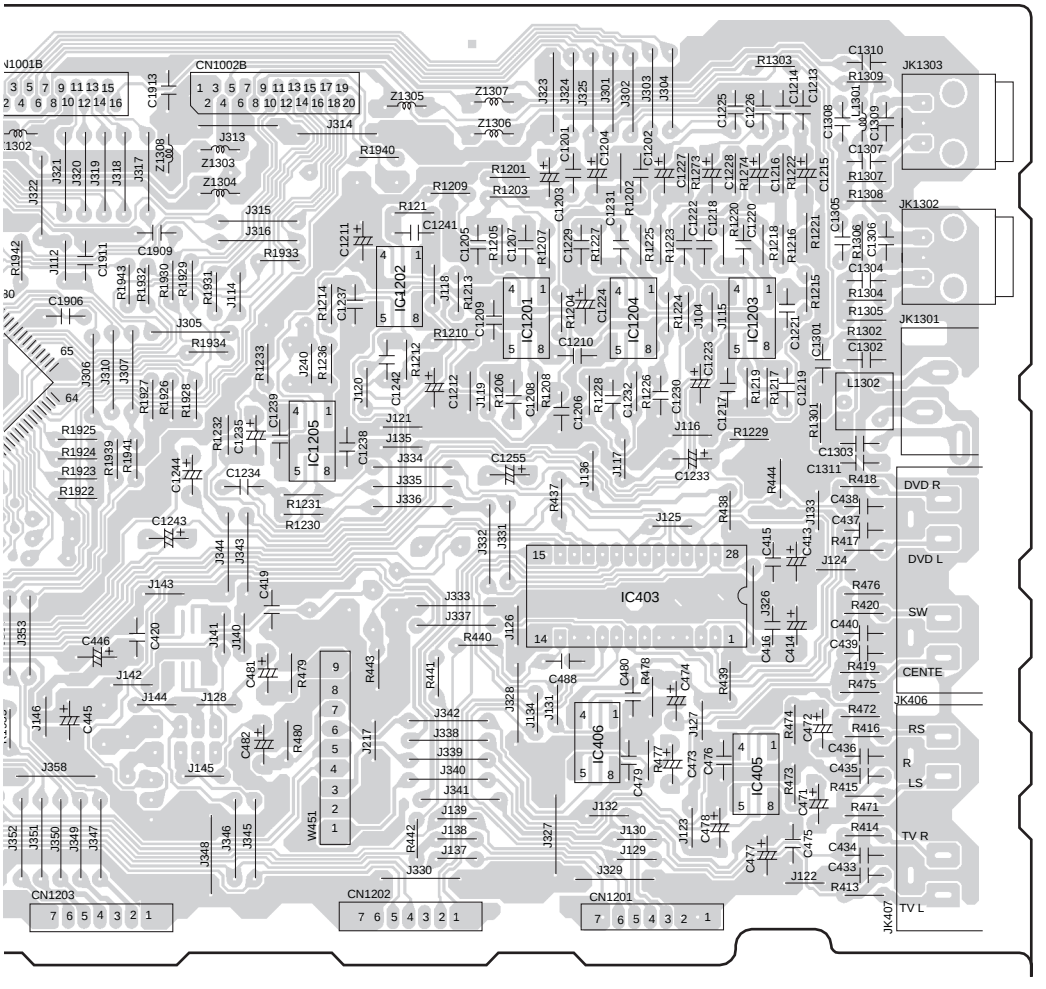
## M TRANSFORMER P.C.B. (REP3161D-M)



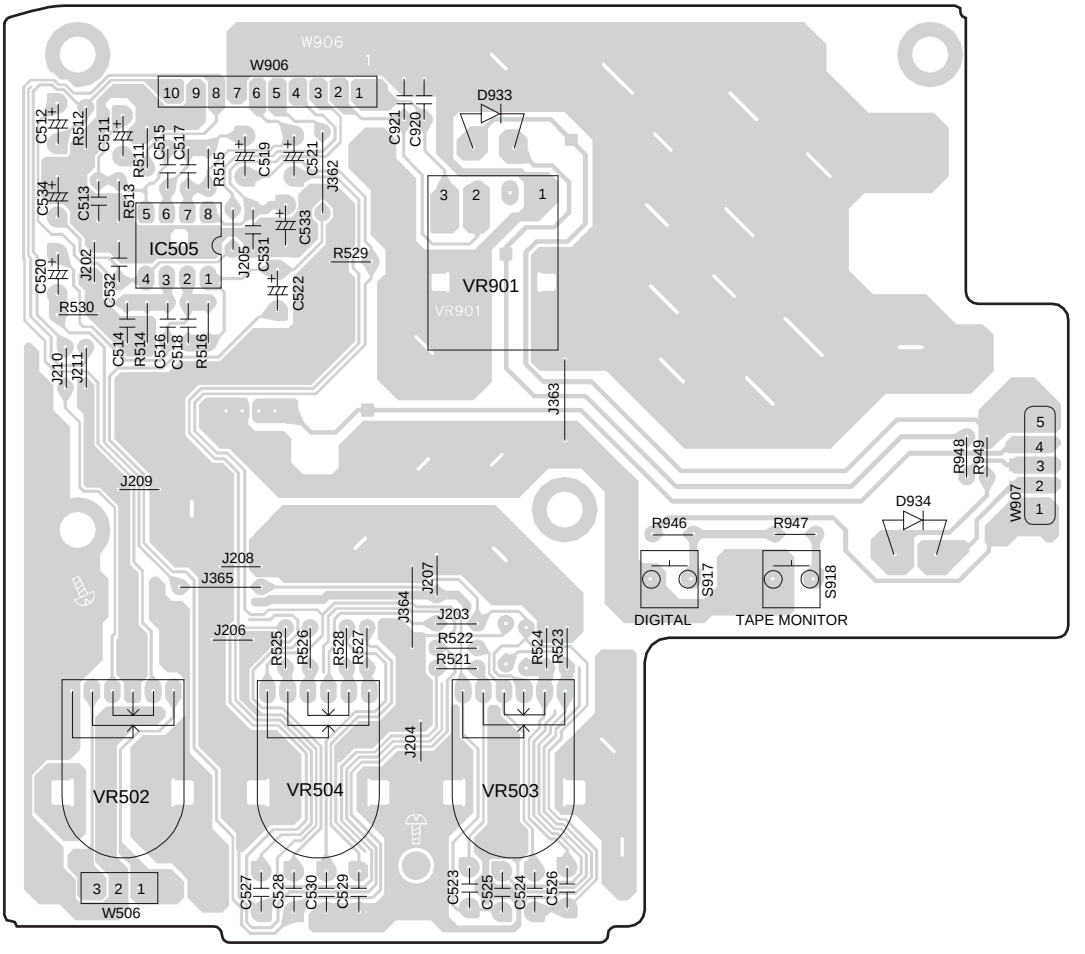

## L POWER P.C.B. (REP3162E-P...E,EG)
(REP3162F-P...EB)

# B SURROUND P.C.B. (REP3162E-P...E,EG)
(REP3162F-P...EB)



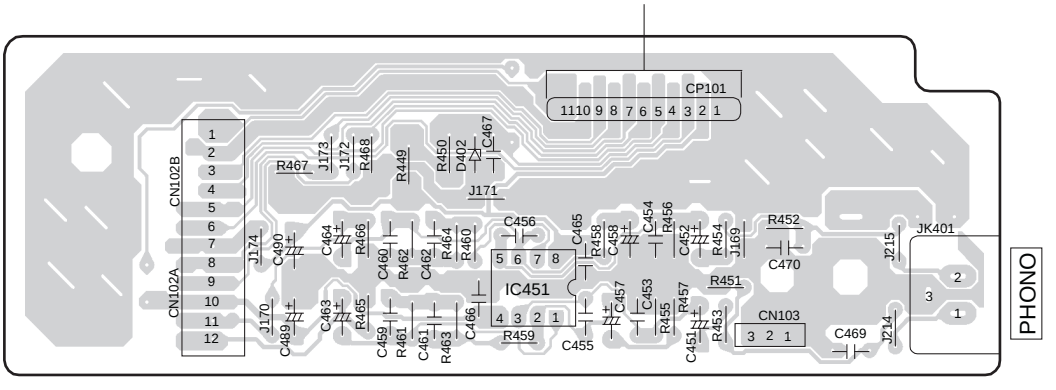

G
H
I
J
K
L
M
CD
DVD
DVD 6CH
TV
IC403
IC1201
IC1202
IC1203
IC1204
IC1205
IC406
IC405
CN1001B
CN1002B
CN1203
CN1202
CN1201
JK1303
JK1302
JK1301
JK406
JK407
L1302
DVD R
DVD L
SW
CENTE
RS
R
LS
TV R
TV L

## H TONE P.C.B. (REP3020L-S)




## K PHONO P.C.B. (REP3020L-S)

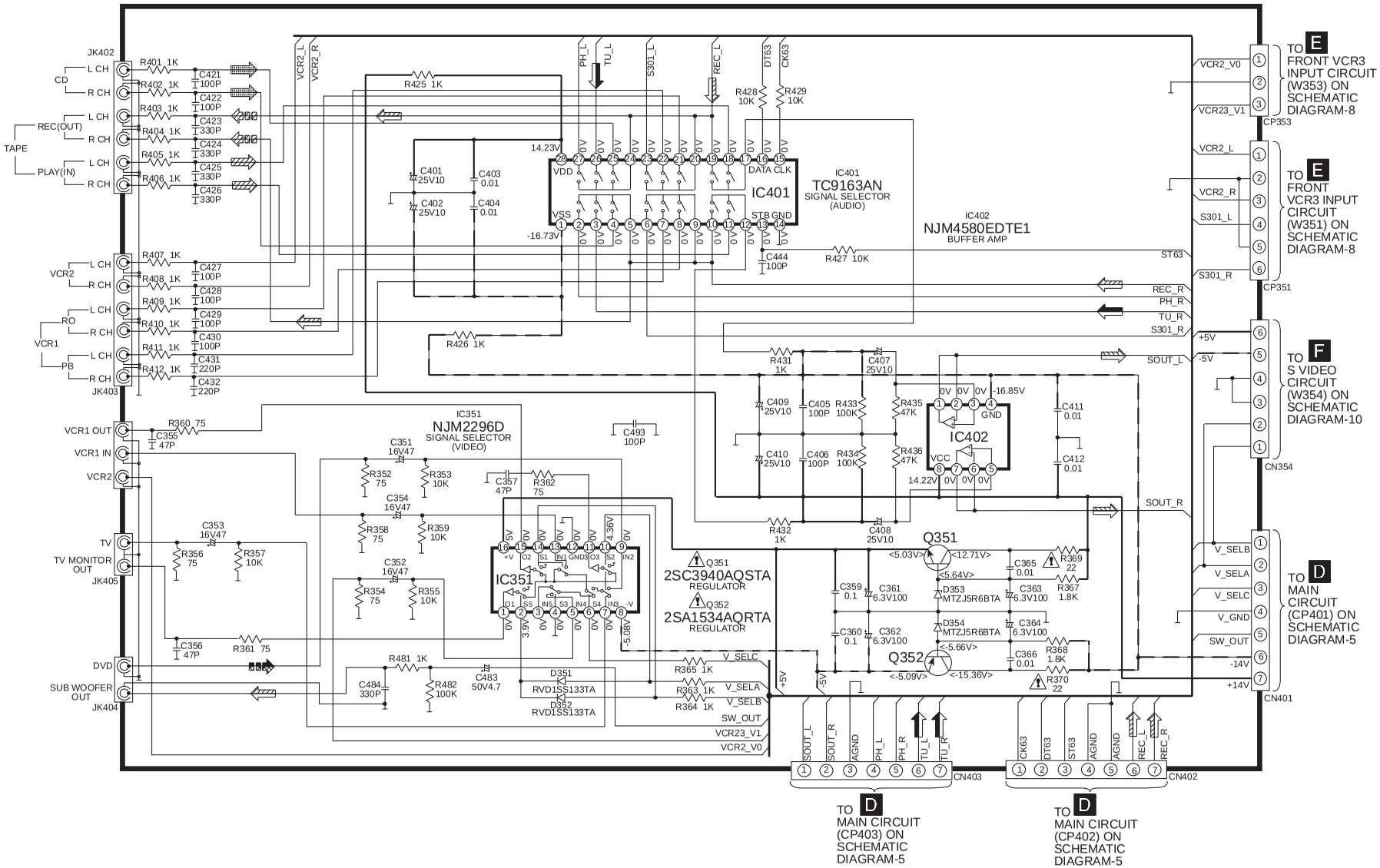
## TUNER PACK UNIT (RAN0002EM)



# SCHEMATIC DIAGRAM - 1

: + B SIGNAL LINE
: - B SIGNAL LINE
: MAIN SIGNAL LINE
: FM/AM SIGNAL LINE
: CD SIGNAL LINE
: DVD VIDEO SIGNAL LINE
: RECORD SIGNAL LINE
: PLAYBACK SIGNAL LINE

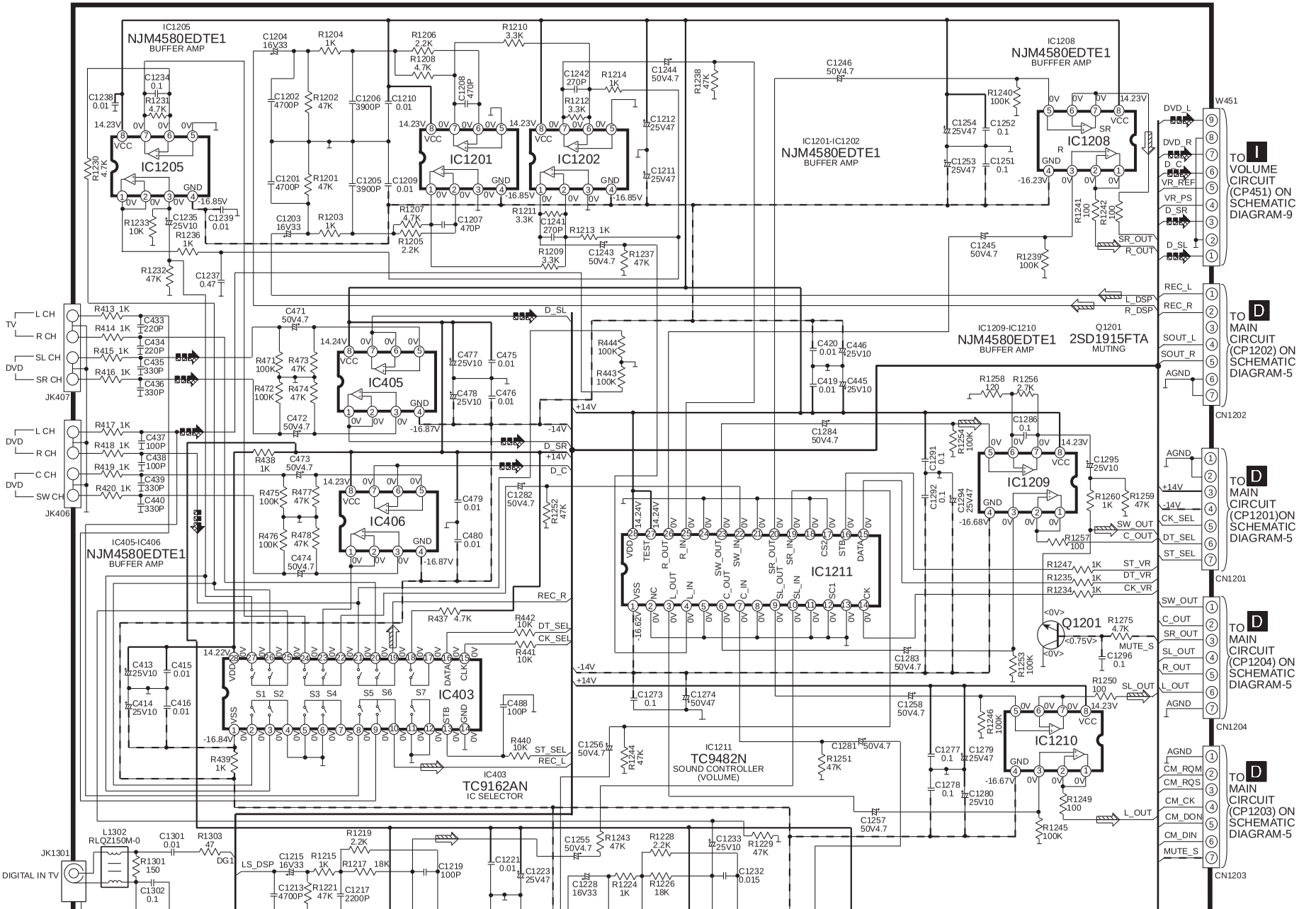
## A INPUT SELECTOR CIRCUIT

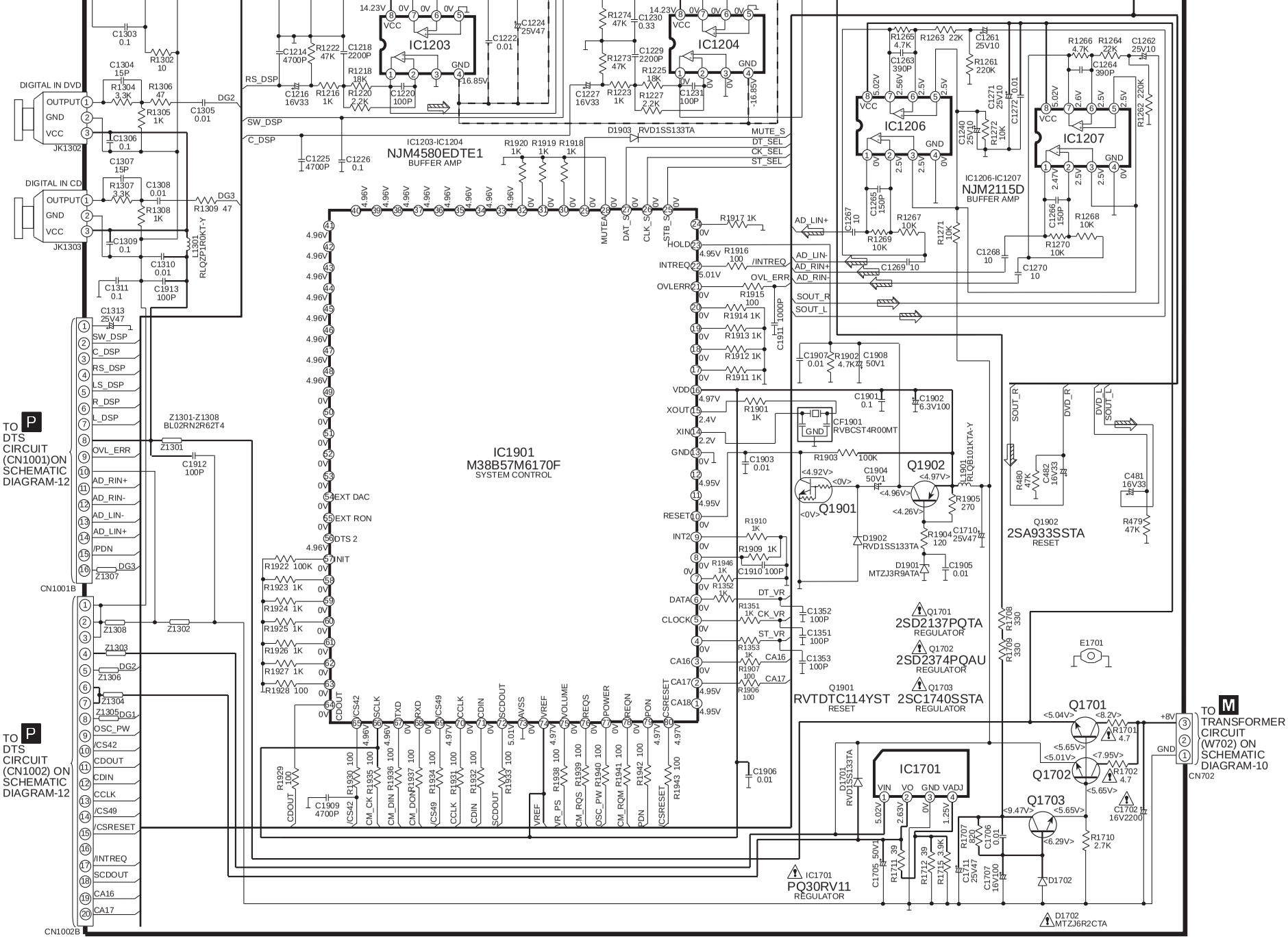


SCHEMATIC DIAGRAM - 2

# B SURROUND CIRCUIT

—:+B SIGNAL LINE · – :-B SIGNAL LINE : MAIN SIGNAL LINE : DVD AUDIO/VIDEO SIGNAL LINE




IC1901
M38B57M6170F
SYSTEM CONTROL
IC1203
IC1204
IC1206
IC1207
IC1203-IC1204
NJM4580EDTE1
BUFFER AMP
IC1206-IC1207
NJM2115D
BUFFER AMP
IC1701
PQ30RV11
REGULATOR
Q1901
RVTDTC114YST
RESET
Q1902
2SA933SSTA
RESET
Q1701
2SD2137PQTA
REGULATOR
Q1702
2SD2374PQAU
REGULATOR
Q1703
2SC1740SSTA
REGULATOR
TO P DTS CIRCUIT (CN1001)ON SCHEMATIC DIAGRAM-12
TO P DTS CIRCUIT (CN1002) ON SCHEMATIC DIAGRAM-12
TO M TRANSFORMER CIRCUIT (W702) ON SCHEMATIC DIAGRAM-10
CN1001B
CN1002B
CN702
DIGITAL IN DVD
DIGITAL IN CD
JK1302
JK1303
RS_DSP
SW_DSP
C_DSP
MUTE_S
DT_SEL
CK_SEL
ST_SEL
AD_LIN+
AD_LIN-
AD_RIN+
AD_RIN-
SOUT_R
SOUT_L
DVD_R
DVD_L
EXT DAC
EXT RON
DTS 2
/INIT
/INTREQ
OVL_ERR
/PDN
SCDOUT
CDOUT
CDIN
CCLK
/CS49
/CS42
/CSRESET
OSC_PW
CA16
CA17
D1903 RVD1SS133TA
D1902 RVD1SS133TA
D1901 MTZJ3R9ATA
D1702 MTZJ6R2CTA
CF1901 RVBCST4R00MT
Z1301-Z1308 BL02RN2R62T4
L1301 RLQZP1R0KT-Y
Q1901 RLQB101KTA-Y

SCHEMATIC DIAGRAM - 3

:+B SIGNAL LINE  :-B SIGNAL LINE  : MAIN SIGNAL LINE

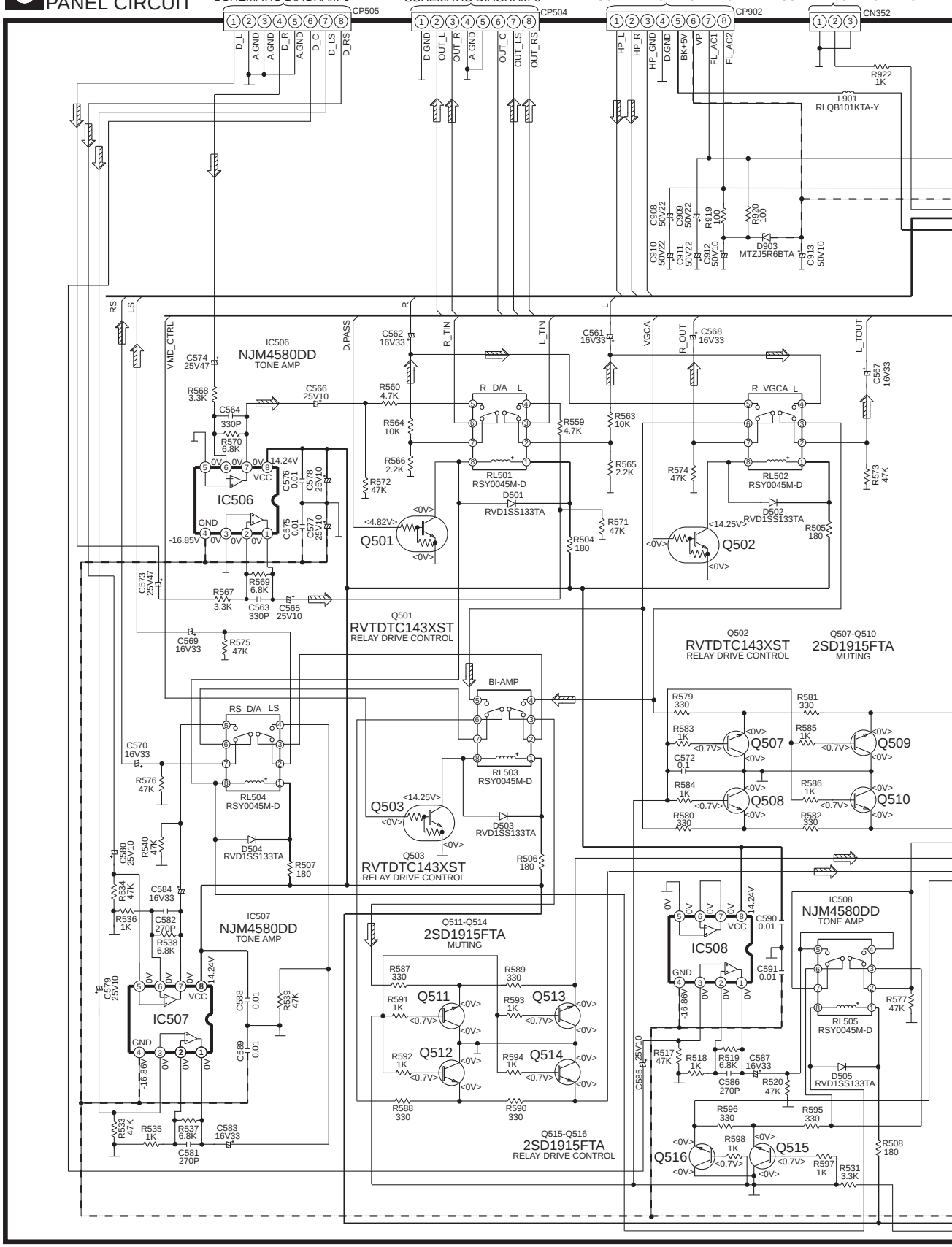
C PANEL CIRCUIT

TO D MAIN CIRCUIT (CN505)ON SCHEMATIC DIAGRAM-6

TO D MAIN CIRCUIT (CN504)ON SCHEMATIC DIAGRAM-6

TO D MAIN CIRCUIT (CN902)ON SCHEMATIC DIAGRAM-6

TO E FRONT VCR3 INPUT CIRCUIT (W352)ON SCHEMATIC DIAGRAM-8



# SCHEMATIC DIAGRAM - 4

—— :+B SIGNAL LINE  – – :-B SIGNAL LINE

## C PANEL CIRCUIT

TO D MAIN CIRCUIT (CN901B)ON SCHEMATIC DIAGRAM-6

CN901A

FL901
RSL0303-F

IC901
M38B57MCA266
SYSTEM CONTROL
FL DRIVE

IC970
LC72720N
RDS SIGNAL DECODER

Q901
RVTDTC114YST
RESET

Q902
2SA933SSTA
REGULATOR

Q902

TO I VOLUME CIRCUIT (CN501)ON SCHEMATIC DIAGRAM-9

CP501

TO G KEY CIRCUIT (W905)ON SCHEMATIC DIAGRAM-8

CN905B

CN905A

TO H TONE CIRCUIT (W906)ON SCHEMATIC DIAGRAM-8

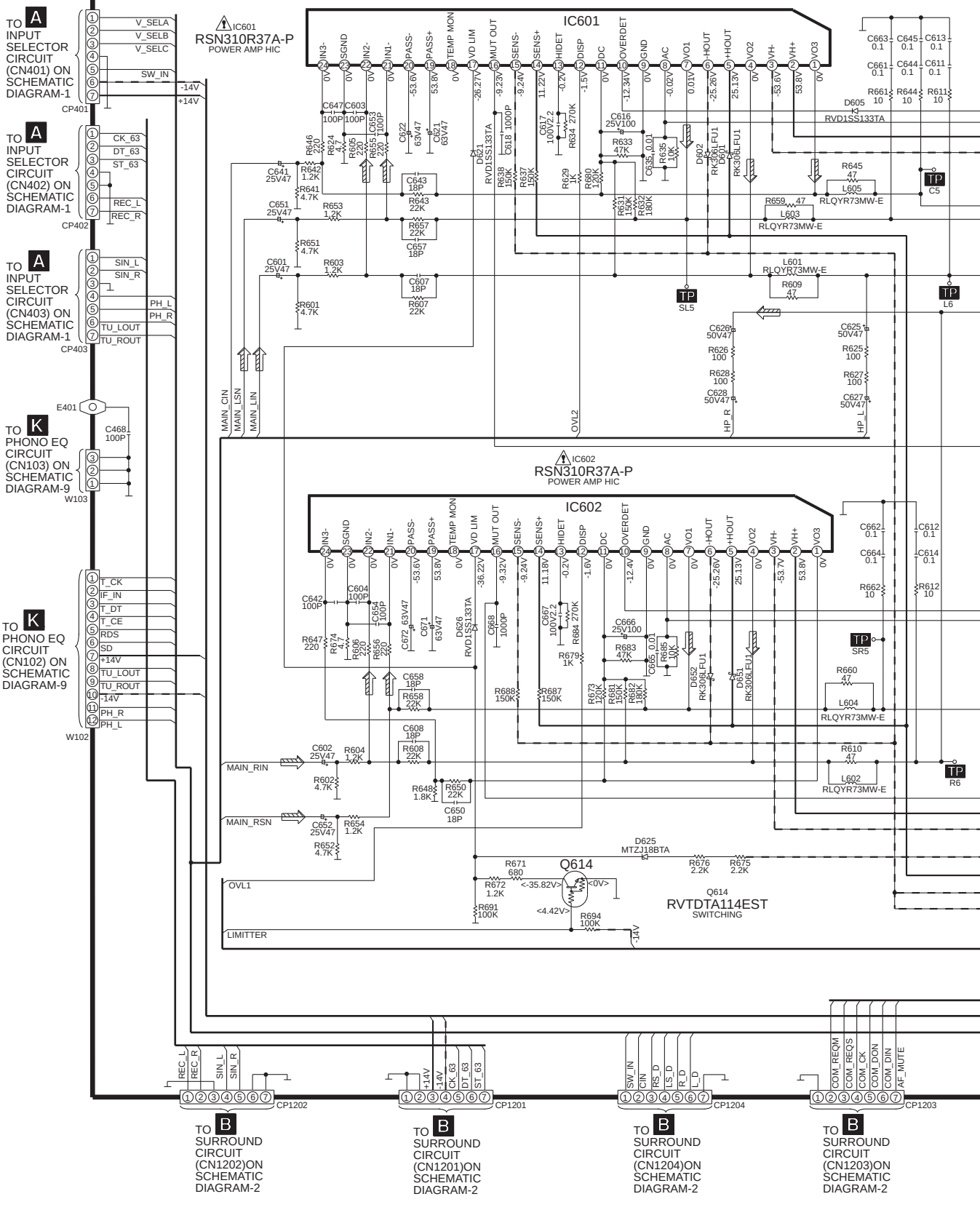
CN906B

CN906A

# SCHEMATIC DIAGRAM - 5

## D MAIN CIRCUIT

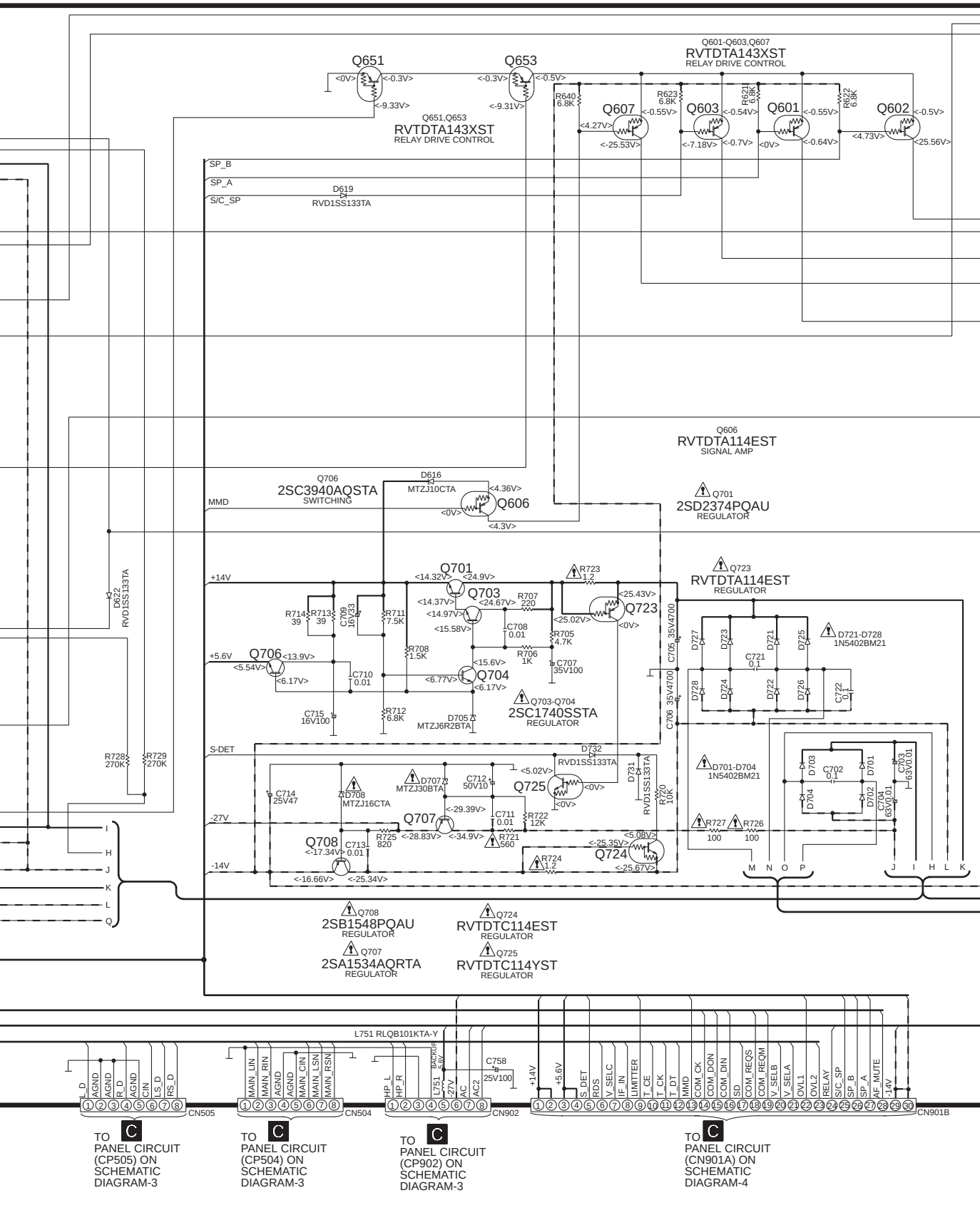
—— :+B SIGNAL LINE  – – :-B SIGNAL LINE  ⇨ :MAIN SIGNAL LINE



# SCHEMATIC DIAGRAM - 6

—— :+B SIGNAL LINE  – – :-B SIGNAL LINE

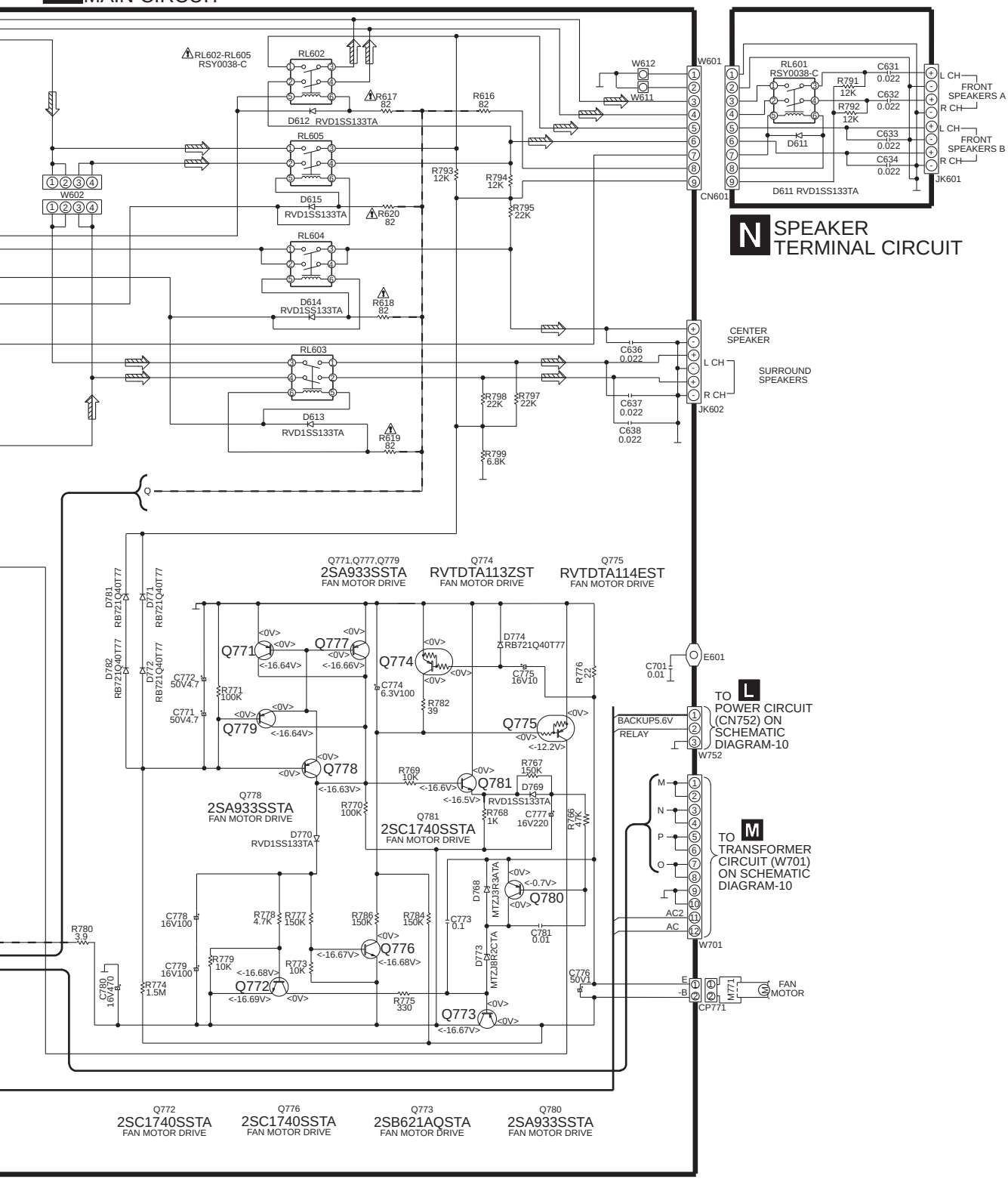
## D MAIN CIRCUIT



SCHEMATIC DIAGRAM - 7

## D MAIN CIRCUIT

—— :+B SIGNAL LINE  – – :-B SIGNAL LINE  ⇒ :MAIN SIGNAL LINE

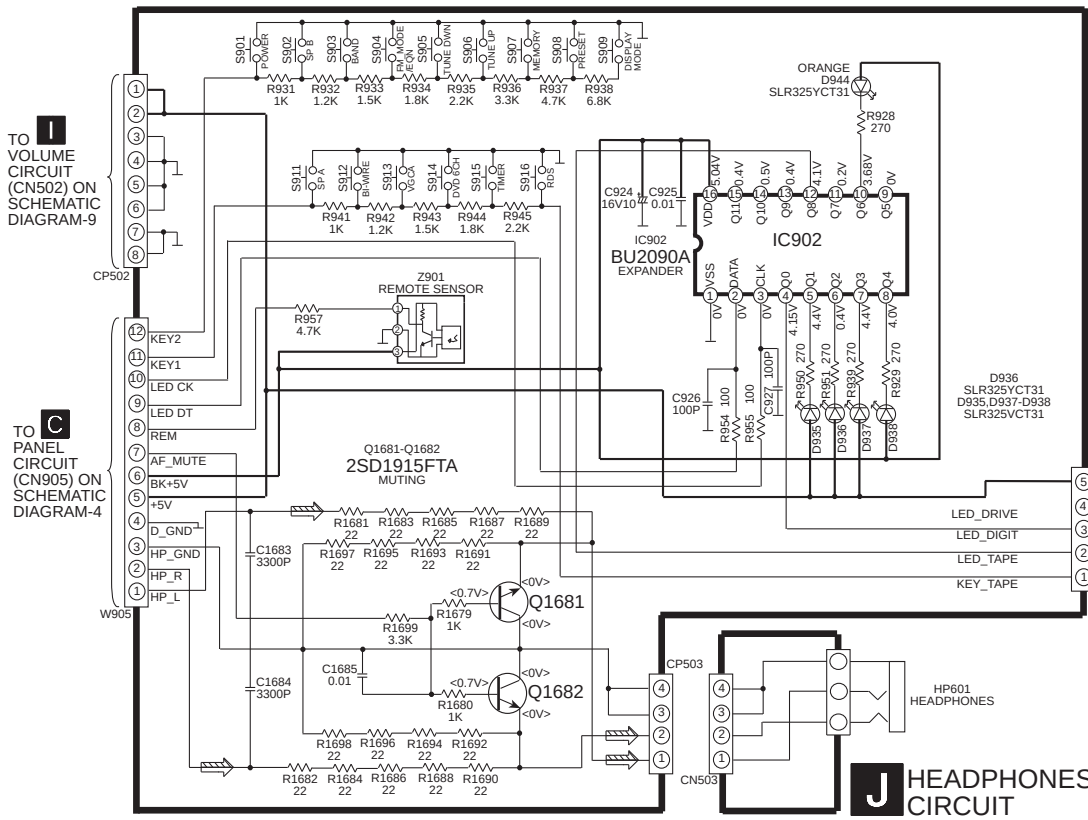



## N SPEAKER TERMINAL CIRCUIT

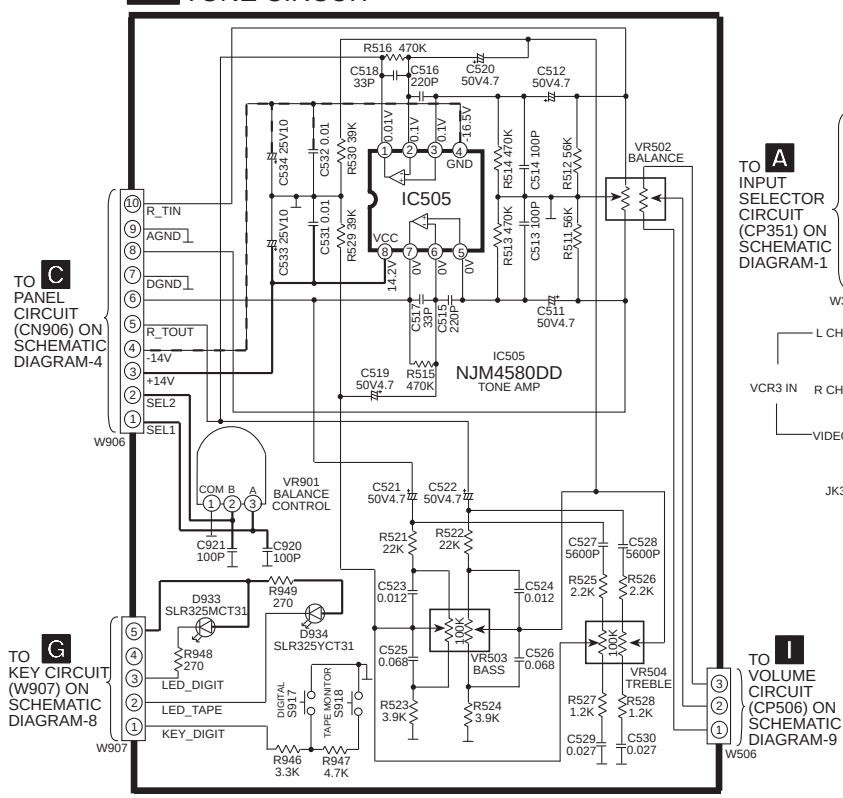
SCHEMATIC DIAGRAM - 8

:+B SIGNAL LINE  :-B SIGNAL LINE  :MAIN SIGNAL LINE

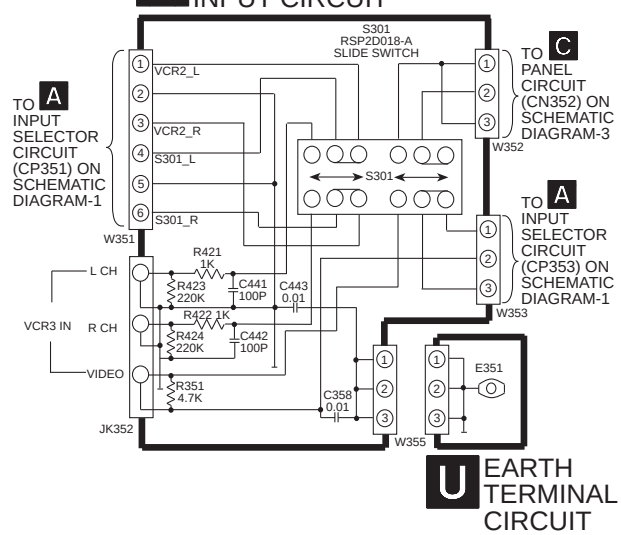
## G KEY CIRCUIT




## H TONE CIRCUIT




## E FRONT VCR3 INPUT CIRCUIT

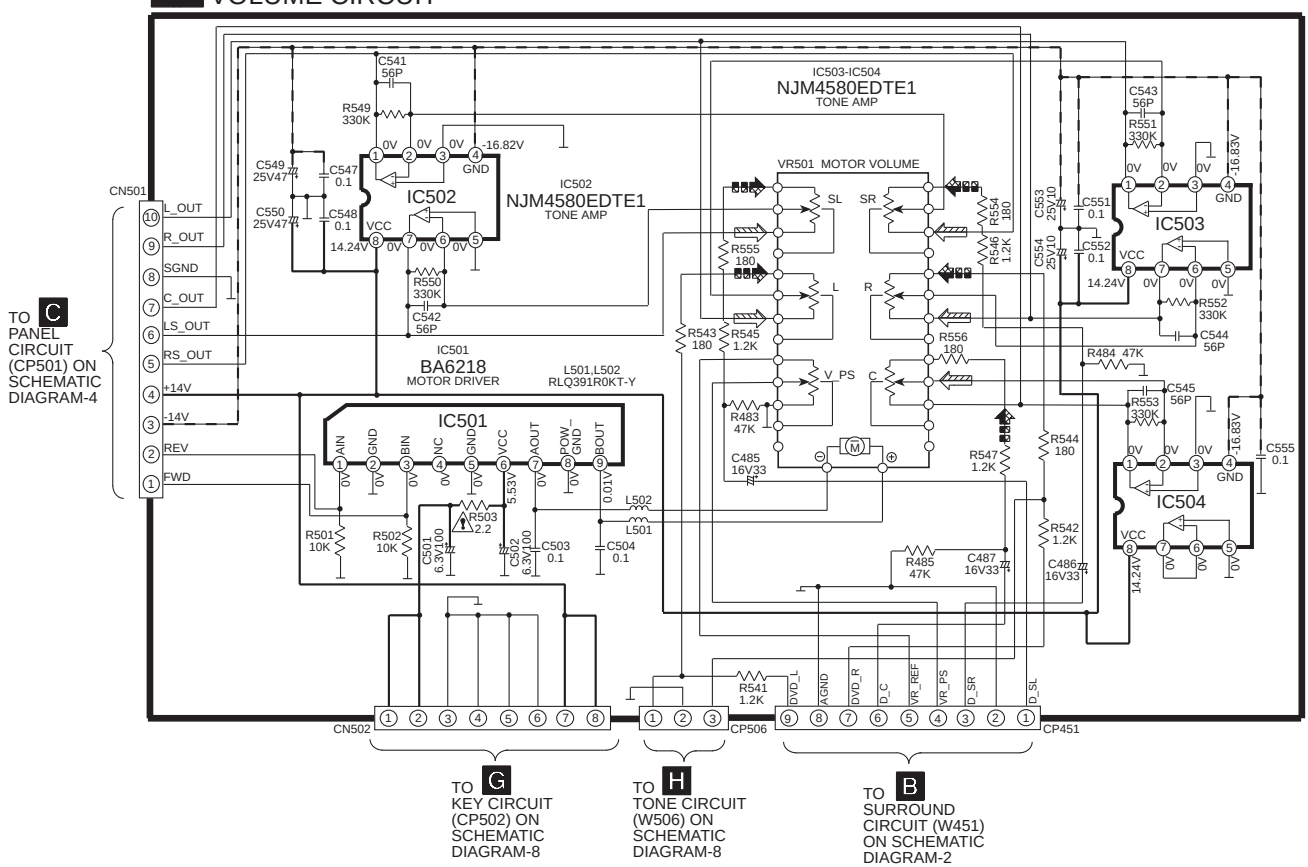



## U EARTH TERMINAL CIRCUIT

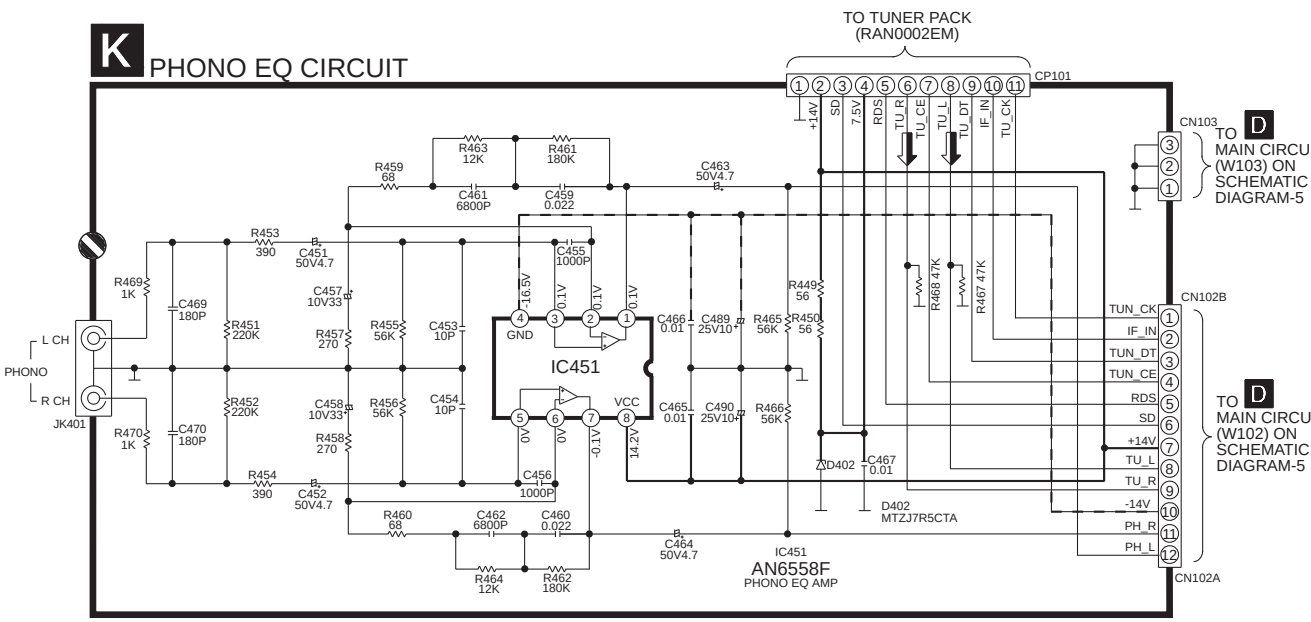
# SCHEMATIC DIAGRAM - 9

: +B SIGNAL LINE
: -B SIGNAL LINE
: MAIN SIGNAL LINE
: FM/AM SIGNAL LINE
: DVD AUDIO/VIDEO SIGNAL LINE

## I VOLUME CIRCUIT

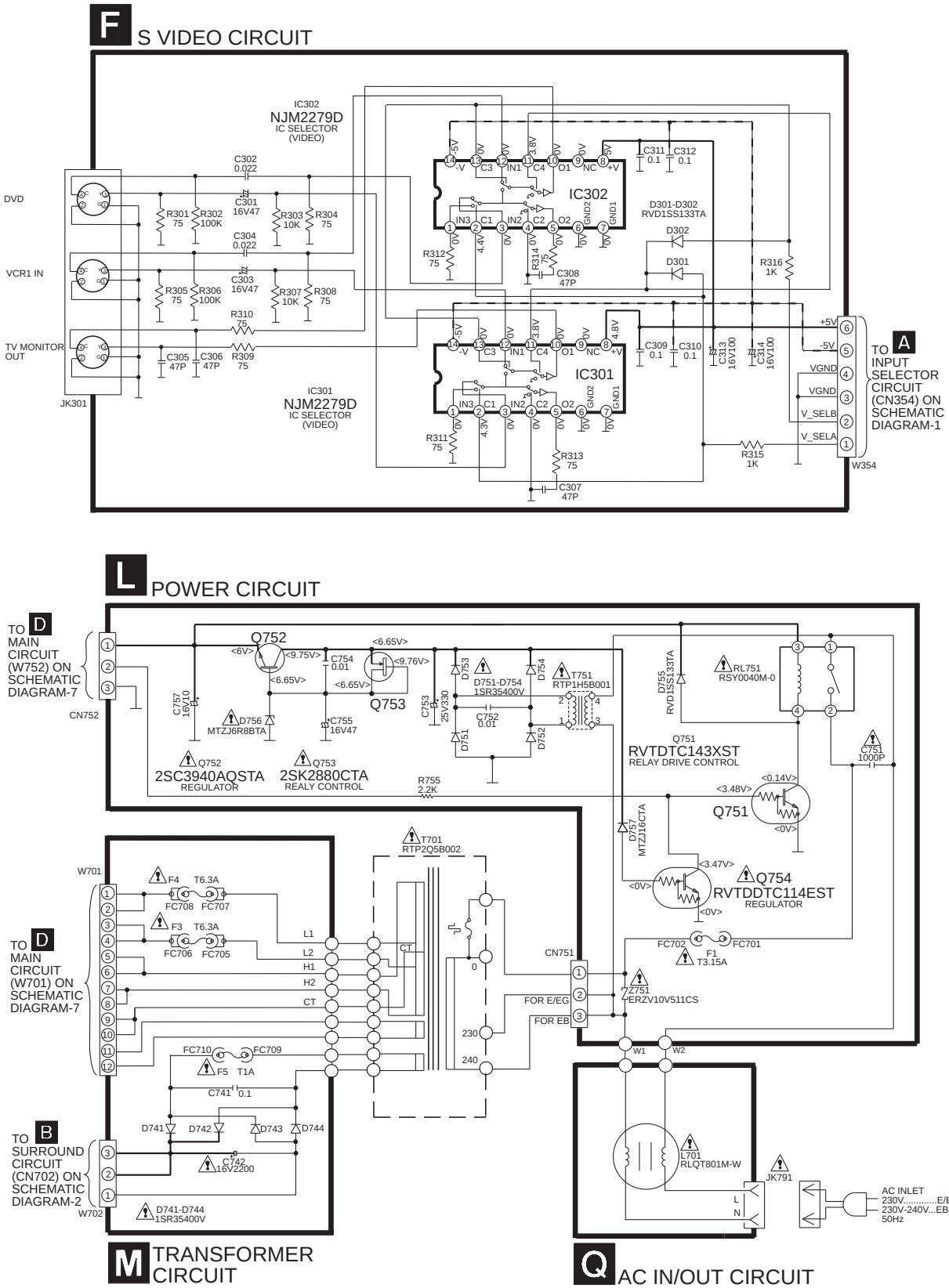



## K PHONO EQ CIRCUIT



SCHEMATIC DIAGRAM - 10

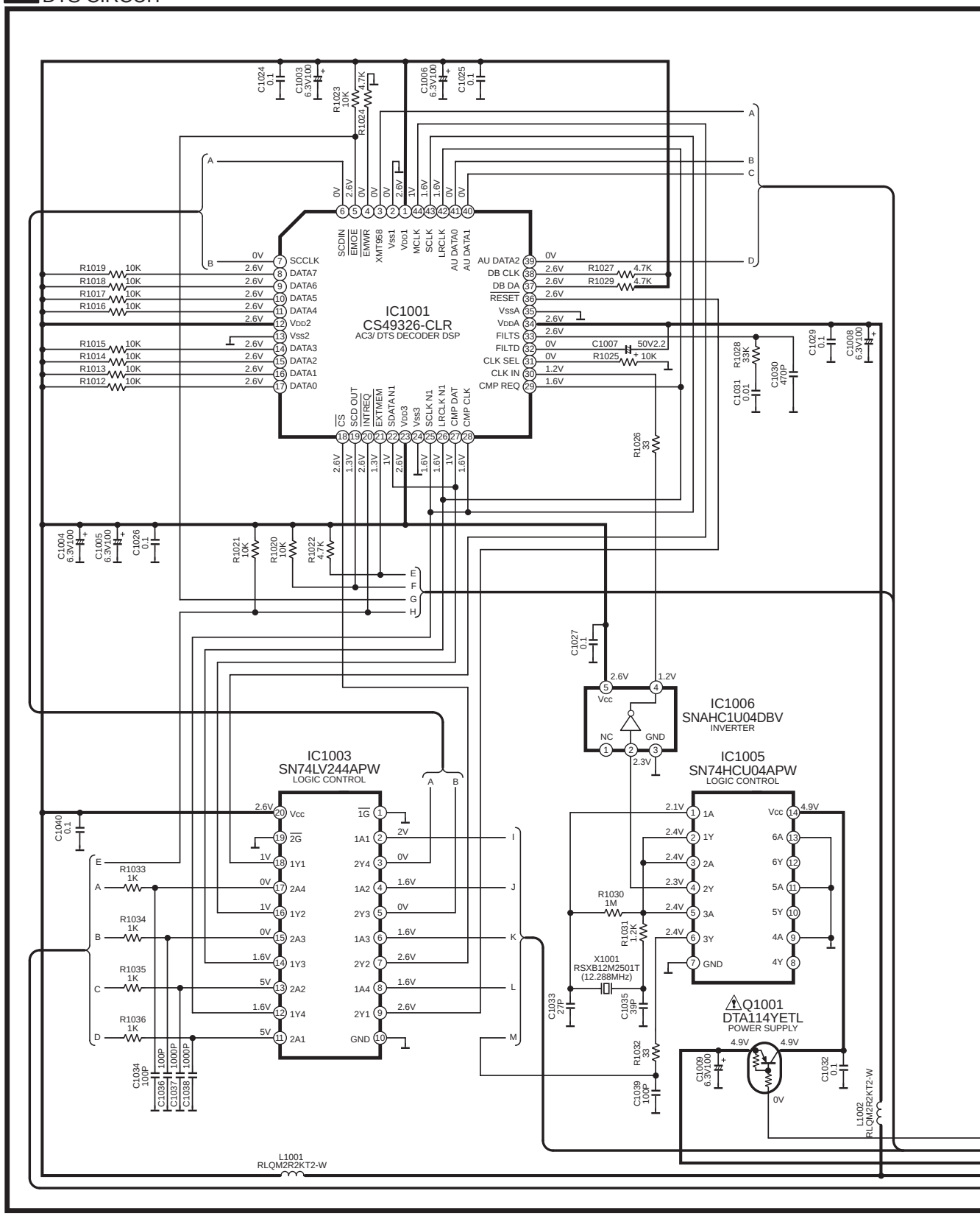
:+B SIGNAL LINE  :-B SIGNAL LINE  :MAIN SIGNAL LINE



SCHEMATIC DIAGRAM - 11

P DTS CIRCUIT

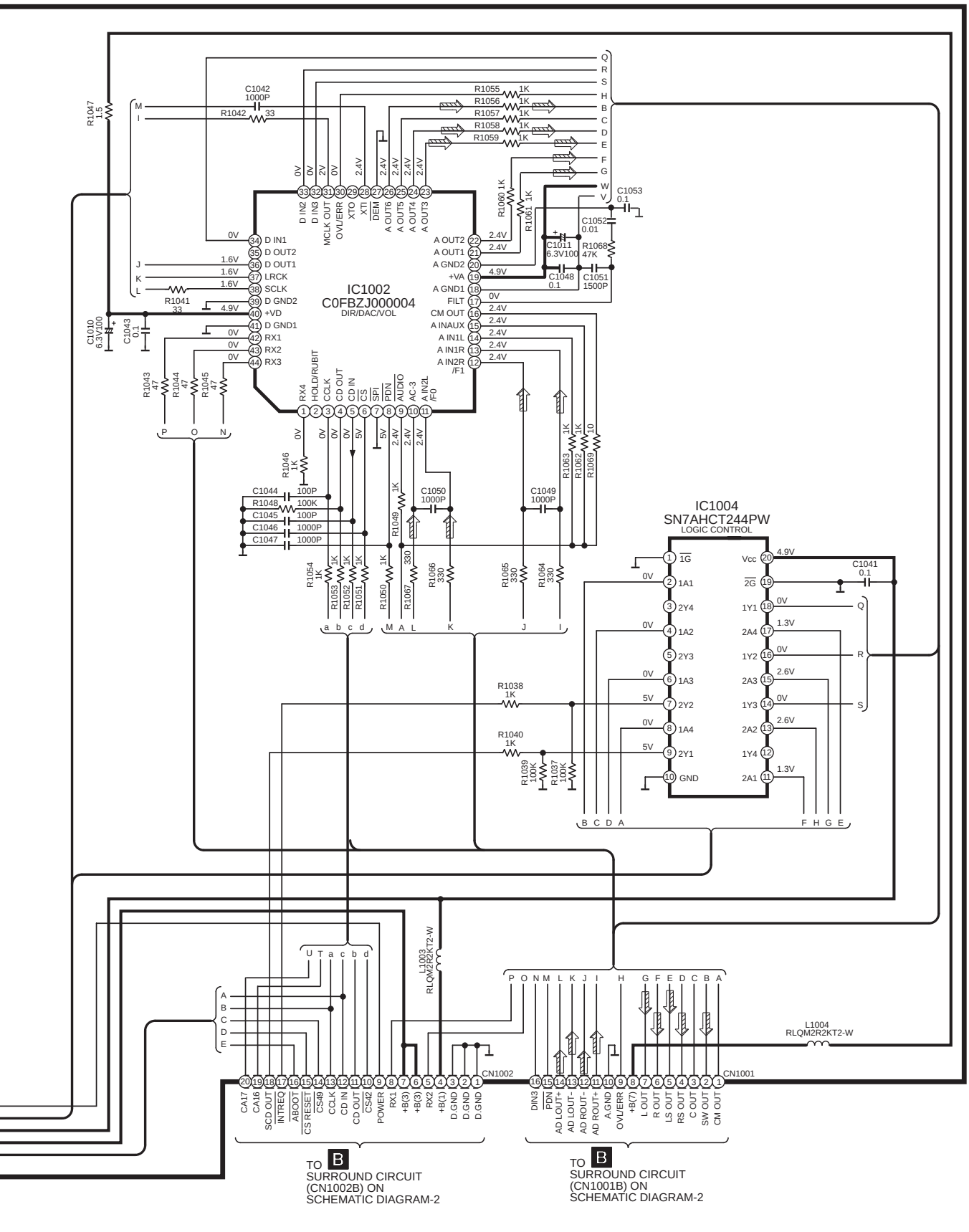
: +B SIGNAL LINE

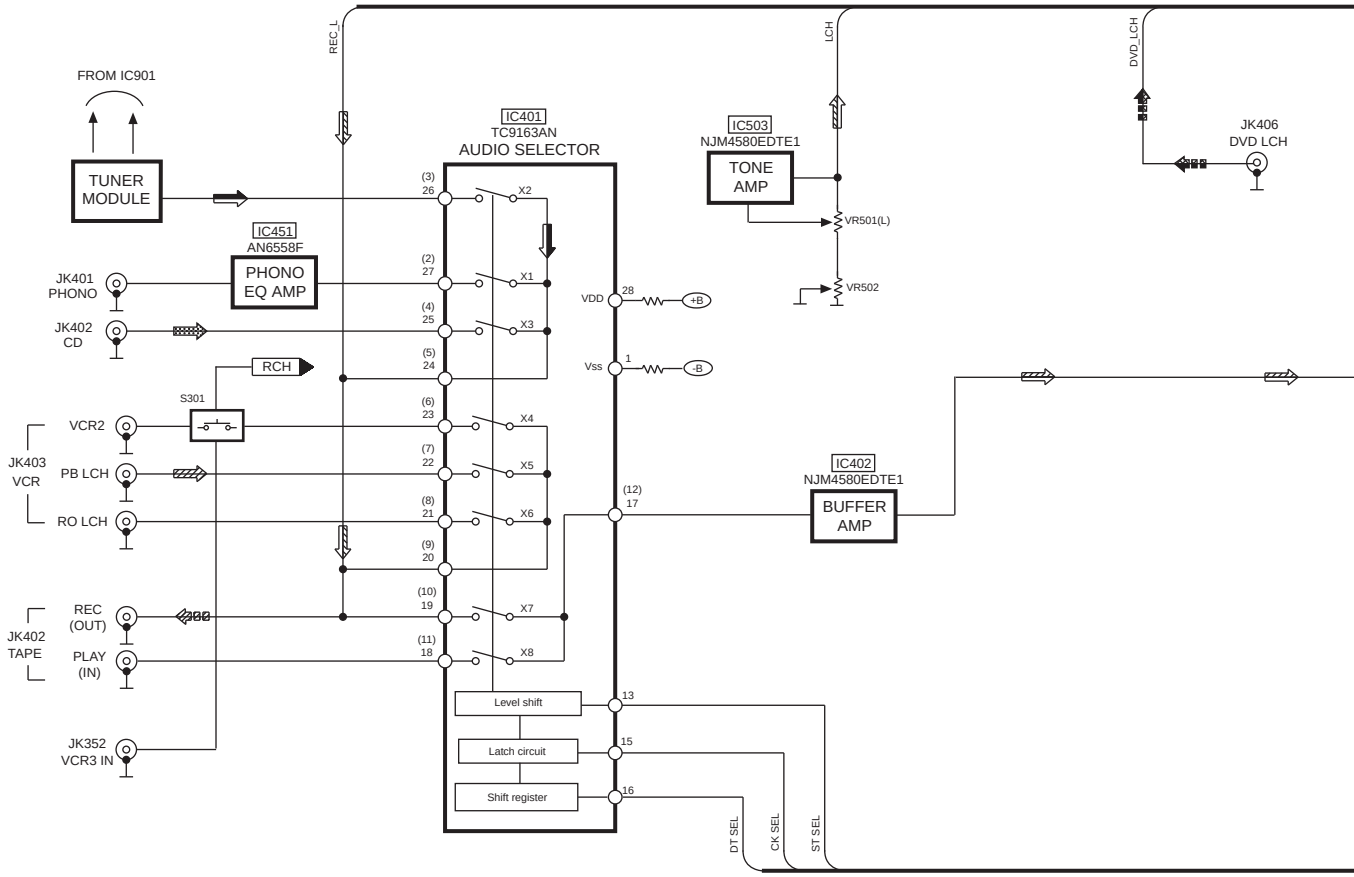


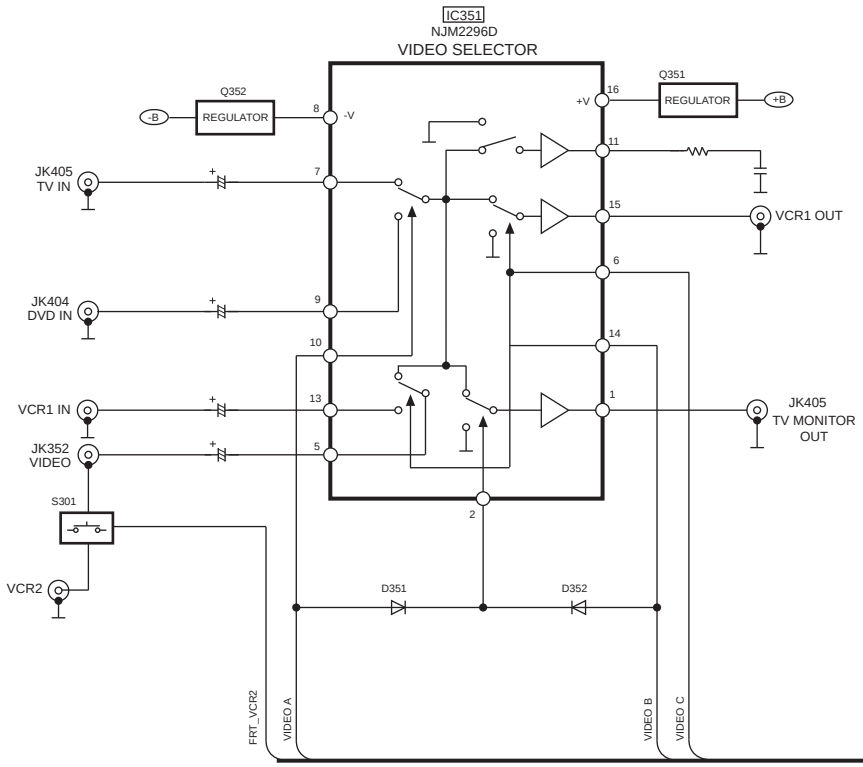
SCHEMATIC DIAGRAM - 12

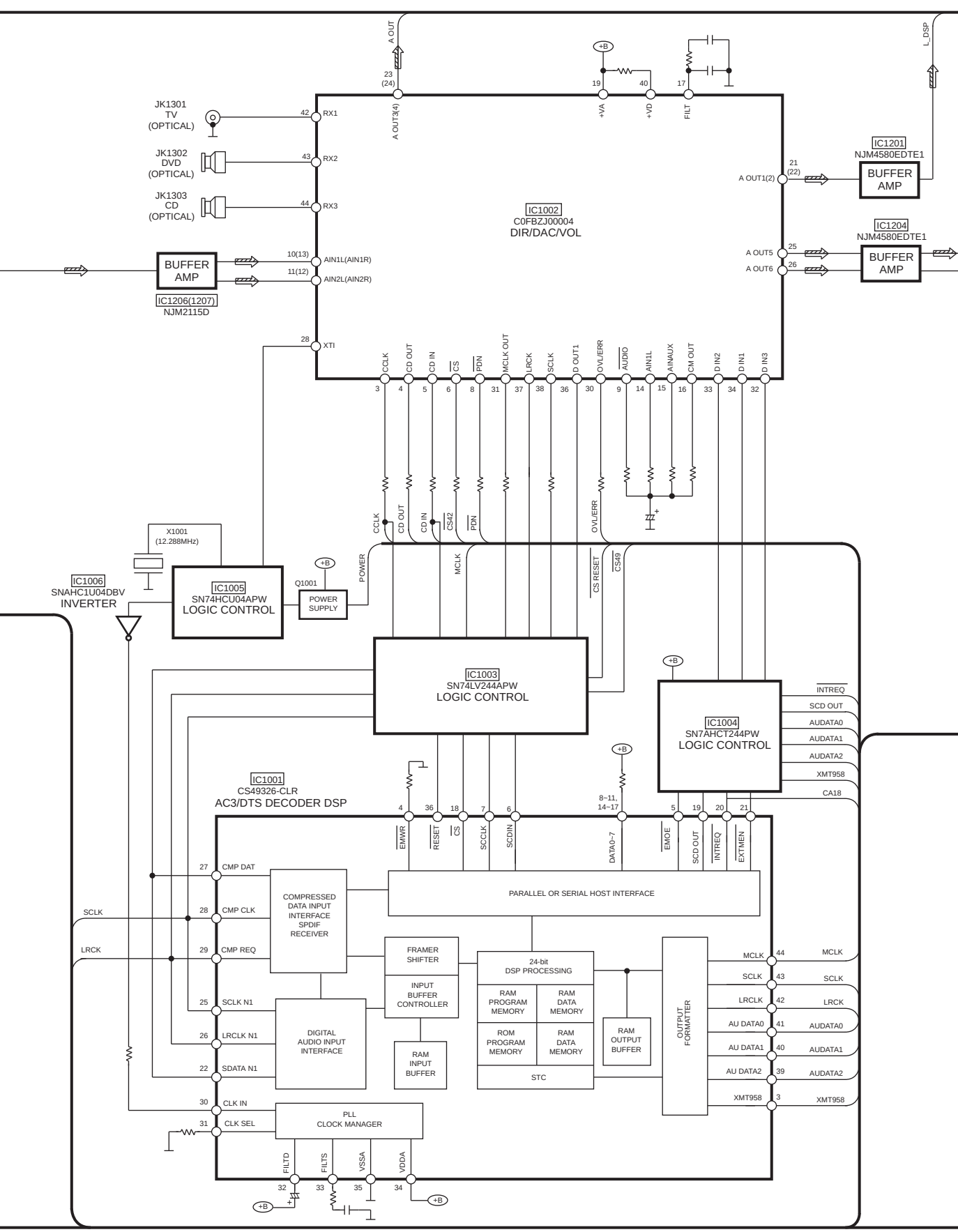
: +B SIGNAL LINE : MAIN SIGNAL LINE

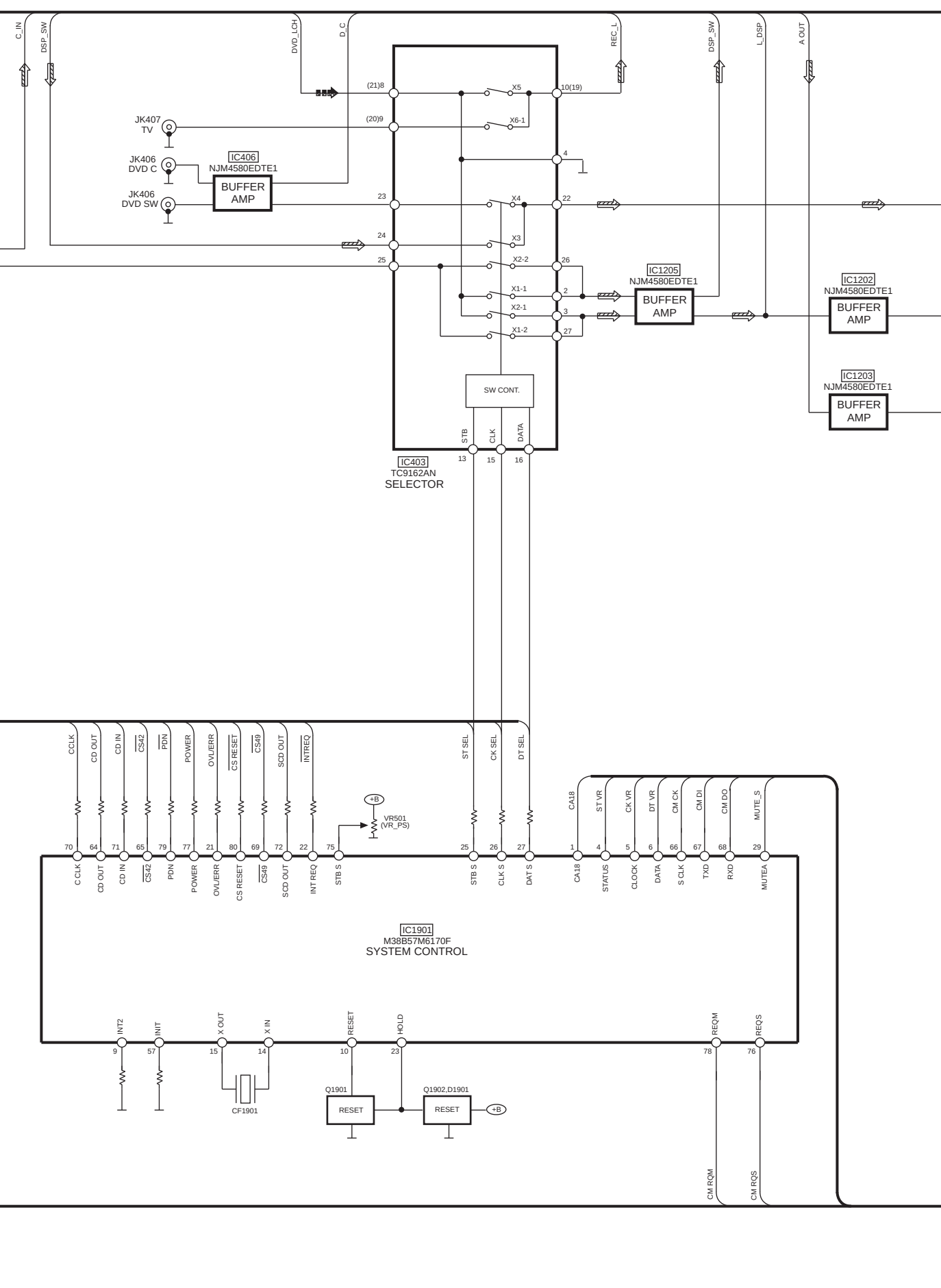
## P DTS CIRCUIT

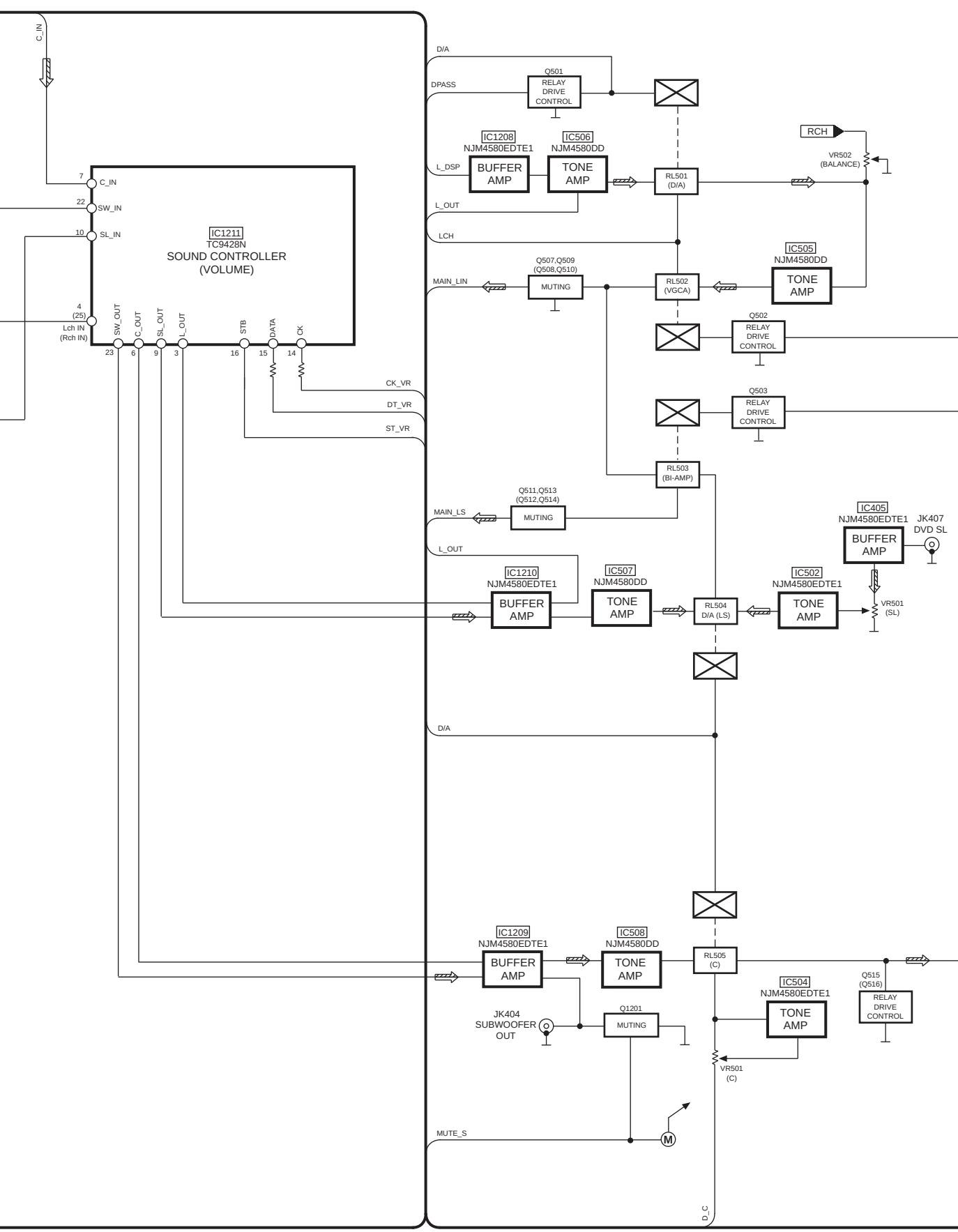


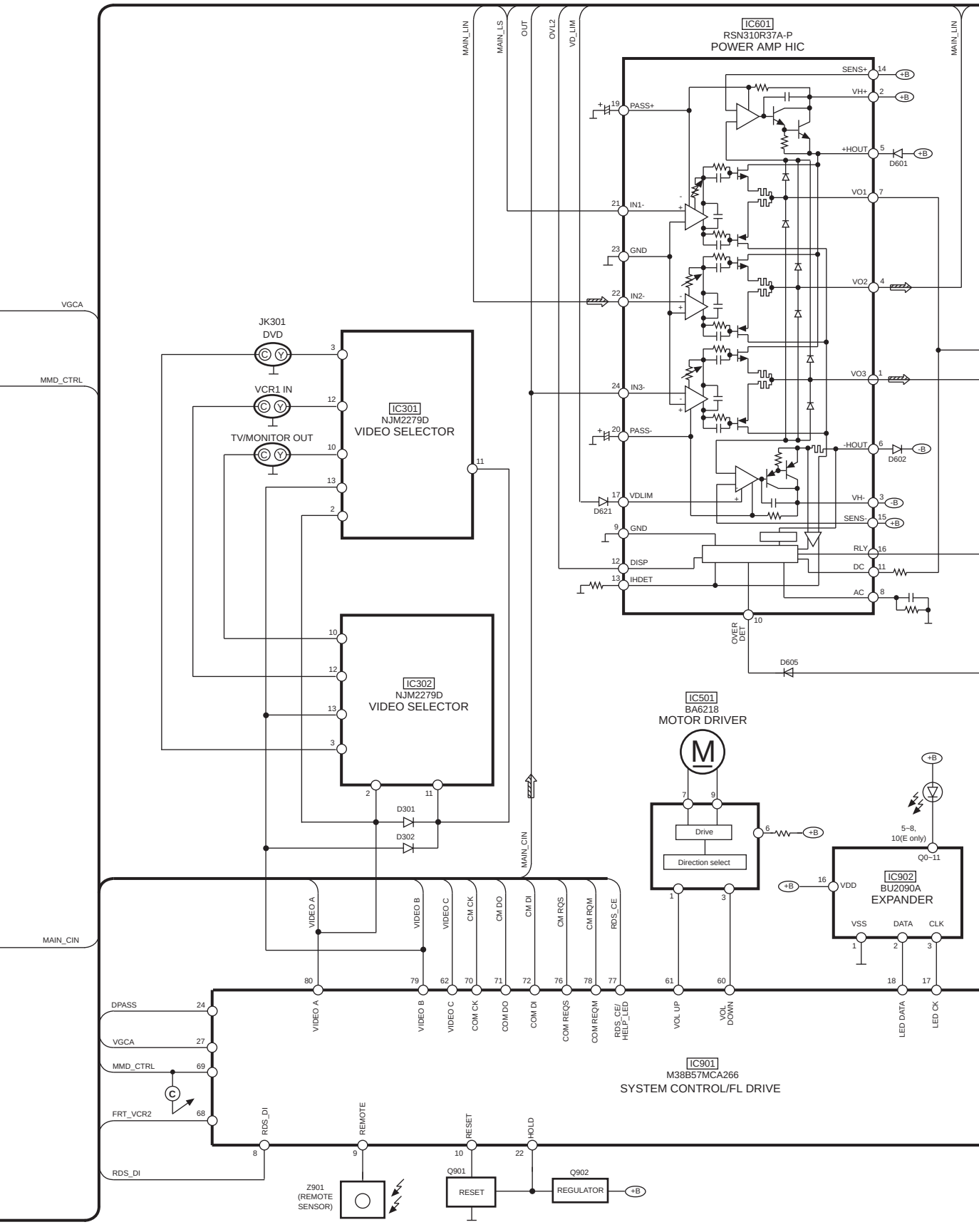

FROM IC901
TUNER MODULE
REC_L
IC401
TC9163AN
AUDIO SELECTOR
IC503
NJM4580EDTE1
TONE AMP
LCH
DVD_LCH
JK406
DVD LCH
VR501(L)
VR502
IC451
AN6558F
PHONO EQ AMP
JK401
PHONO
JK402
CD
RCH
S301
JK403
VCR
VCR2
PB LCH
RO LCH
JK402
TAPE
REC (OUT)
PLAY (IN)
JK352
VCR3 IN
VDD
Vss
+B
-B
IC402
NJM4580EDTE1
BUFFER AMP
Level shift
Latch circuit
Shift register
DT SEL
CK SEL
ST SEL

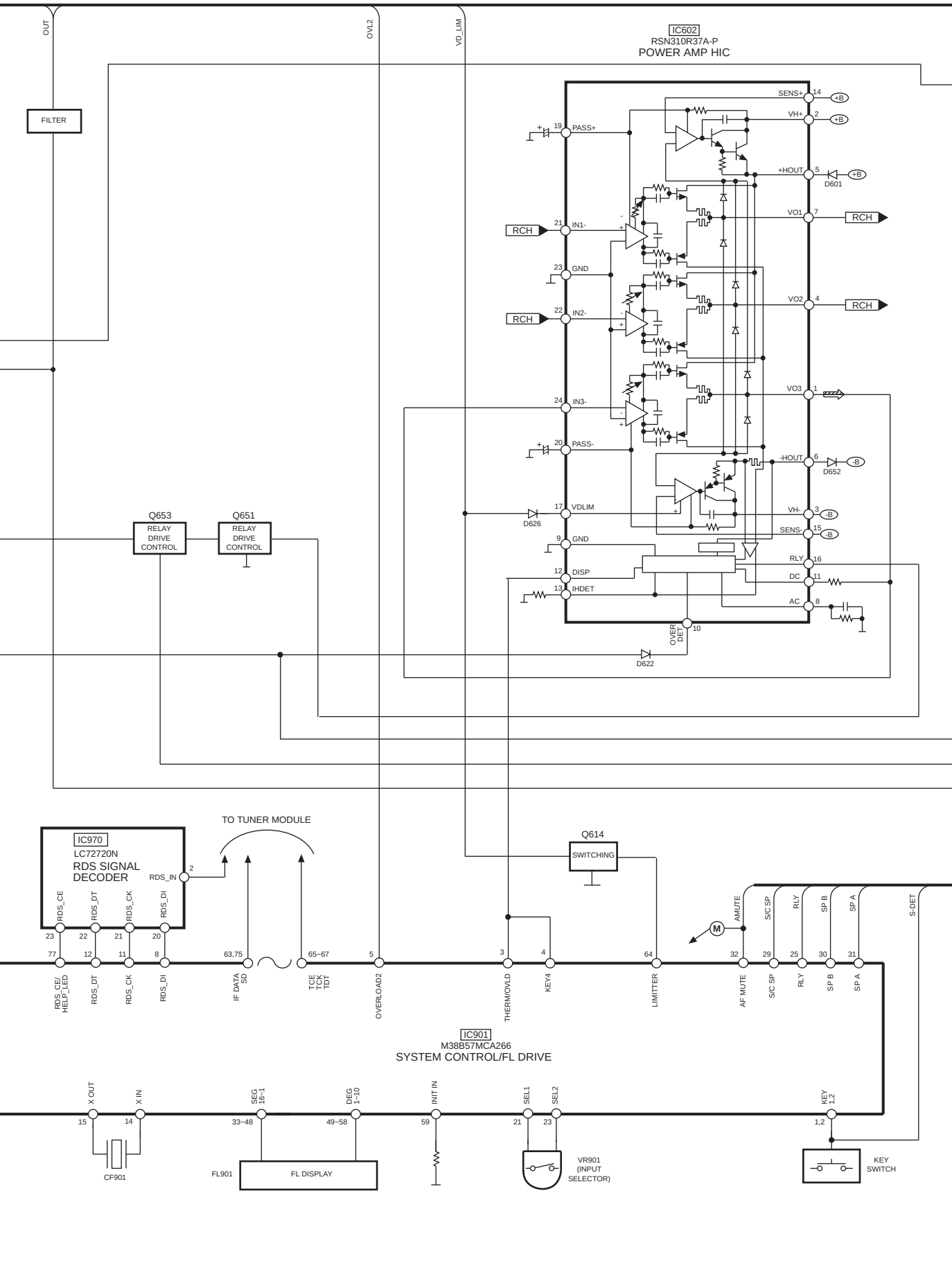

IC351
NJM2296D
VIDEO SELECTOR
Q352
REGULATOR
-B
-V
Q351
REGULATOR
+V
+B
JK405
TV IN
JK404
DVD IN
VCR1 IN
JK352
VIDEO
S301
VCR2
VCR1 OUT
JK405
TV MONITOR
OUT
D351
D352
FRT_VCR2
VIDEO A
VIDEO B
VIDEO C

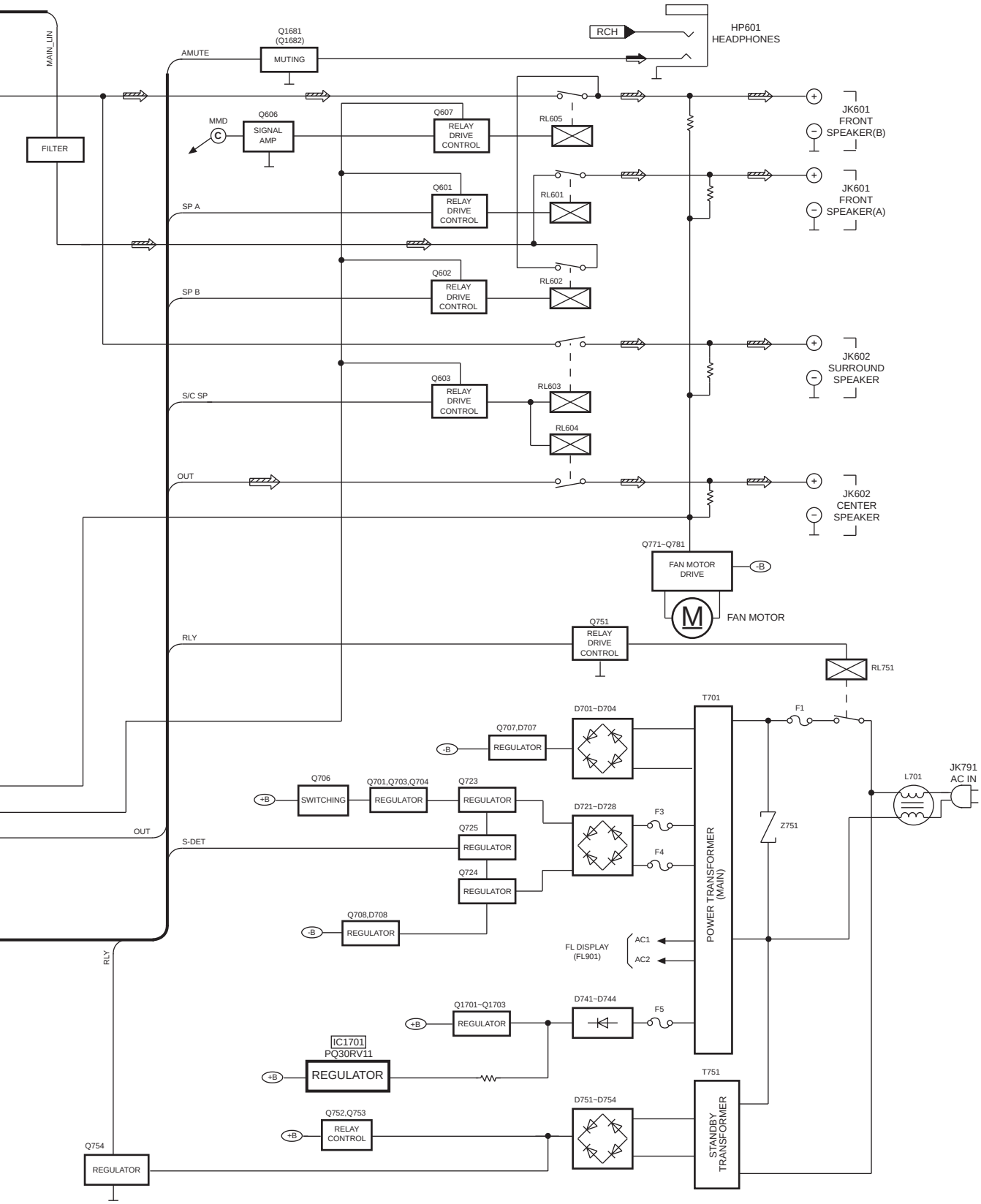

A OUT
23 (24)
A OUT3(4)
+B
19
+VA
40
+VD
17
FILT
L_DSP
JK1301
TV
(OPTICAL)
JK1302
DVD
(OPTICAL)
JK1303
CD
(OPTICAL)
42
RX1
43
RX2
44
RX3
IC1002
C0FBZJ00004
DIR/DAC/VOL
IC1201
NJM4580EDTE1
BUFFER AMP
21 (22)
A OUT1(2)
IC1204
NJM4580EDTE1
A OUT5
A OUT6
25
26
BUFFER AMP
10(13)
11(12)
AIN1L(AIN1R)
AIN2L(AIN2R)
IC1206(1207)
NJM2115D
28
XTI
CCLK
CD OUT
CD IN
CS
PDN
MCLK OUT
LRCK
SCLK
D OUT1
OVL/ERR
AUDIO
AIN1L
AINAUX
CM OUT
D IN2
D IN1
D IN3
3
4
5
6
8
31
37
38
36
30
9
14
15
16
33
34
32
X1001
(12.288MHz)
IC1006
SNAHC1U04DBV
INVERTER
IC1005
SN74HCU04APW
LOGIC CONTROL
Q1001
POWER SUPPLY
POWER
MCLK
CS RESET
CS49
CS42
IC1003
SN74LV244APW
LOGIC CONTROL
IC1004
SN7AHCT244PW
LOGIC CONTROL
INTREQ
SCD OUT
AUDATA0
AUDATA1
AUDATA2
XMT958
CA18
IC1001
CS49326-CLR
AC3/DTS DECODER DSP
4
36
18
7
6
8–11, 14–17
5
19
20
21
EMWR
RESET
CS
SCCLK
SCDIN
DATA0–7
EMOE
SCD OUT
INTREQ
EXTMEN
PARALLEL OR SERIAL HOST INTERFACE
27
CMP DAT
28
CMP CLK
29
CMP REQ
SCLK
LRCK
COMPRESSED DATA INPUT INTERFACE SPDIF RECEIVER
FRAMER SHIFTER
INPUT BUFFER CONTROLLER
24-bit DSP PROCESSING
RAM PROGRAM MEMORY
RAM DATA MEMORY
ROM PROGRAM MEMORY
RAM DATA MEMORY
STC
RAM OUTPUT BUFFER
OUTPUT FORMATTER
25
SCLK N1
26
LRCLK N1
22
SDATA N1
DIGITAL AUDIO INPUT INTERFACE
RAM INPUT BUFFER
MCLK
SCLK
LRCLK
AU DATA0
AU DATA1
AU DATA2
XMT958
44
43
42
41
40
39
3
30
CLK IN
31
CLK SEL
PLL CLOCK MANAGER
FILTD
FILTS
VSSA
VDDA
32
33
35
34
+B


C_IN
DSP_SW
DVD_LCH
D_C
REC_L
DSP_SW
L_DSP
A OUT
JK407
TV
JK406
DVD C
JK406
DVD SW
IC406
NJM4580EDTE1
BUFFER
AMP
(21)8
(20)9
10(19)
4
23
22
24
25
26
2
3
27
X5
X6-1
X4
X3
X2-2
X1-1
X2-1
X1-2
IC1205
NJM4580EDTE1
BUFFER
AMP
IC1202
NJM4580EDTE1
BUFFER
AMP
IC1203
NJM4580EDTE1
BUFFER
AMP
SW CONT.
STB
CLK
DATA
13
15
16
IC403
TC9162AN
SELECTOR
CCLK
CD OUT
CD IN
CS42
PDN
POWER
OVL/ERR
CS RESET
CS49
SCD OUT
INTREQ
ST SEL
CK SEL
DT SEL
CA18
ST VR
CK VR
DT VR
CM CK
CM DI
CM DO
MUTE_S
+B
VR501
(VR_PS)
70
64
71
65
79
77
21
80
69
72
22
75
25
26
27
1
4
5
6
66
67
68
29
C CLK
CD OUT
CD IN
CS42
PDN
POWER
OVL/ERR
CS RESET
CS49
SCD OUT
INT REQ
STB S
STB S
CLK S
DAT S
CA18
STATUS
CLOCK
DATA
S CLK
TXD
RXD
MUTEA
IC1901
M38B57M6170F
SYSTEM CONTROL
INT2
INIT
X OUT
X IN
RESET
HOLD
REQM
REQS
9
57
15
14
10
23
78
76
CF1901
Q1901
RESET
Q1902,D1901
RESET
+B
CM RQM
CM RQS


C_IN
IC1211
TC9428N
SOUND CONTROLLER
(VOLUME)
7 C_IN
22 SW_IN
10 SL_IN
4 (25) Lch IN (Rch IN)
SW_OUT 23
C_OUT 6
SL_OUT 9
L_OUT 3
STB 16
DATA 15
CK 14
CK_VR
DT_VR
ST_VR
D/A
DPASS
Q501
RELAY DRIVE CONTROL
IC1208
NJM4580EDTE1
BUFFER AMP
IC506
NJM4580DD
TONE AMP
L_DSP
L_OUT
LCH
RL501 (D/A)
RCH
VR502 (BALANCE)
IC505
NJM4580DD
TONE AMP
MAIN_LIN
Q507,Q509 (Q508,Q510)
MUTING
RL502 (VGCA)
Q502
RELAY DRIVE CONTROL
Q503
RELAY DRIVE CONTROL
RL503 (BI-AMP)
MAIN_LS
Q511,Q513 (Q512,Q514)
MUTING
IC405
NJM4580EDTE1
BUFFER AMP
JK407 DVD SL
IC1210
NJM4580EDTE1
BUFFER AMP
IC507
NJM4580DD
TONE AMP
RL504 D/A (LS)
IC502
NJM4580EDTE1
TONE AMP
VR501 (SL)
D/A
IC1209
NJM4580EDTE1
BUFFER AMP
IC508
NJM4580DD
TONE AMP
RL505 (C)
IC504
NJM4580EDTE1
TONE AMP
Q515 (Q516)
RELAY DRIVE CONTROL
JK404 SUBWOOFER OUT
Q1201
MUTING
VR501 (C)
MUTE_S
M
D_C


IC601
RSN310R37A-P
POWER AMP HIC
MAIN_LIN
MAIN_LS
OUT
OVL2
VD_LIM
SENS+
VH+
+HOUT
D601
VO1
IN1-
GND
VO2
IN2-
VO3
IN3-
PASS-
-HOUT
D602
VH-
SENS-
VDLIM
D621
GND
RLY
DISP
DC
IHDET
AC
OVER DET
D605
VGCA
MMD_CTRL
MAIN_CIN
JK301
DVD
VCR1 IN
TV/MONITOR OUT
IC301
NJM2279D
VIDEO SELECTOR
IC302
NJM2279D
VIDEO SELECTOR
D301
D302
IC501
BA6218
MOTOR DRIVER
Drive
Direction select
IC902
BU2090A
EXPANDER
VDD
VSS
DATA
CLK
5~8, 10(E only)
Q0~11
VIDEO A
VIDEO B
VIDEO C
COM CK
COM DO
COM DI
COM REQS
COM REQM
RDS_CE
VOL UP
VOL DOWN
LED DATA
LED CK
DPASS
VGCA
MMD_CTRL
FRT_VCR2
RDS_DI
REMOTE
RESET
HOLD
IC901
M38B57MCA266
SYSTEM CONTROL/FL DRIVE
Z901
(REMOTE SENSOR)
Q901
RESET
Q902
REGULATOR
+B
-B


OUT
OVL2
VD_LIM
IC602
RSN310R37A-P
POWER AMP HIC
FILTER
SENS+
VH+
+HOUT
D601
VO1
VO2
VO3
-HOUT
D652
VH-
SENS-
RLY
DC
AC
PASS+
IN1-
GND
IN2-
IN3-
PASS-
VDLIM
D626
DISP
IHDET
OVER DET
D622
RCH
+B
-B
Q653
RELAY DRIVE CONTROL
Q651
RELAY DRIVE CONTROL
TO TUNER MODULE
IC970
LC72720N
RDS SIGNAL DECODER
RDS_IN
RDS_CE
RDS_DT
RDS_CK
RDS_DI
Q614
SWITCHING
AMUTE
S/C SP
RLY
SP B
SP A
S-DET
RDS_CE/ HELP_LED
IF DATA SD
TCE TCK TDT
OVERLOAD2
THERM/OVLD
KEY4
LIMITTER
AF MUTE
IC901
M38B57MCA266
SYSTEM CONTROL/FL DRIVE
X OUT
X IN
CF901
SEG 16-1
DEG 1-10
FL901
FL DISPLAY
INIT IN
SEL1
SEL2
VR901 (INPUT SELECTOR)
KEY 1,2
KEY SWITCH

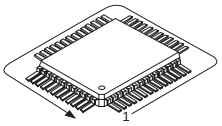



SIGNAL LINES

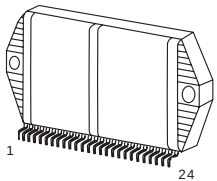
| | | |
|---|---|---|
| MAIN SIGNAL LINE | FM & AM SIGNALS LINE | PLAYBACK SIGNAL LINE |
| CD SIGNAL LINE | RECORD SIGNAL LINE | DVD (AUDIO/VIDEO) SIGNAL LINE |

( ) indicates Pin No. of right channel.

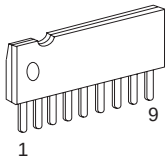
M38B57MCA266 (80p)
M38B57M6170F (80p)
C0FBZJ000004 (44p)



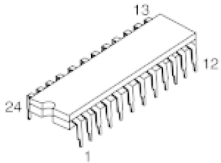

RSN310R37A-P



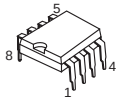

BA6218



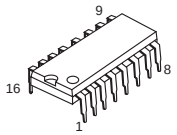

TC9482N
LC72720N



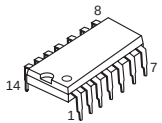

AN6558F
NJM2115D
NJM4580DD
NJM4580EDTE1



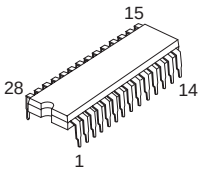

BU2090A
NJM2296D



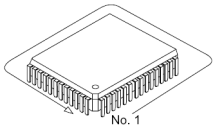

NJM2279D



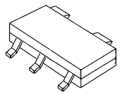

TC9163AN
TC9162AN



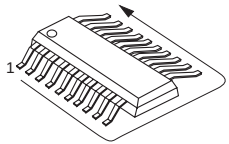

CS49326-CLR (44p)



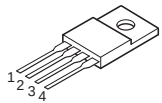

SNAHC1U04DBV



SN74LV244APW (20p)
SN7AHCT244PW (20p)
SN74HCU04APW (14p)




PQ30RV11

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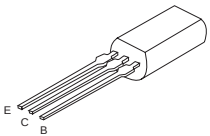
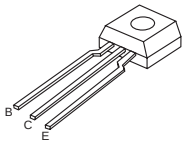
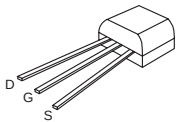
2SC3940AQSTA




2SD1915FTA




2SK2880CTA

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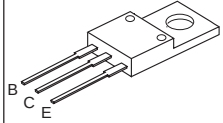
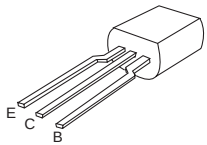
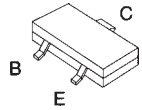


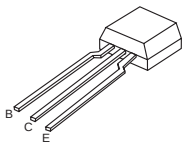

2SB621AQSTA




DTA114YETL




2SA933SSTA
2SC1740SSTA
RVTDTA113ZST
RVTDTA114EST
RVTDTC114EST
RVTDTC114YST
RVTDTA143XST
RVTDTC143XST

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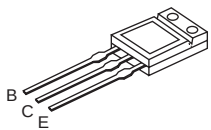


MTZJ10CTA
MTZJ16CTA
MTZJ30BTA
MTZJ3R3ATA
MTZJ3R9ATA
MTZJ5R6BTA
MTZJ6R2BTA
MTZJ6R2CTA

MTZJ6R8BTA
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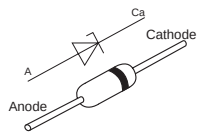
1SR35400V

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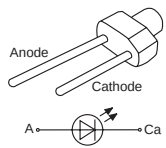
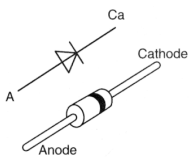
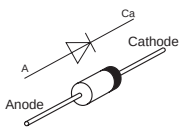
SLR325YCT31
SLR325VCT31



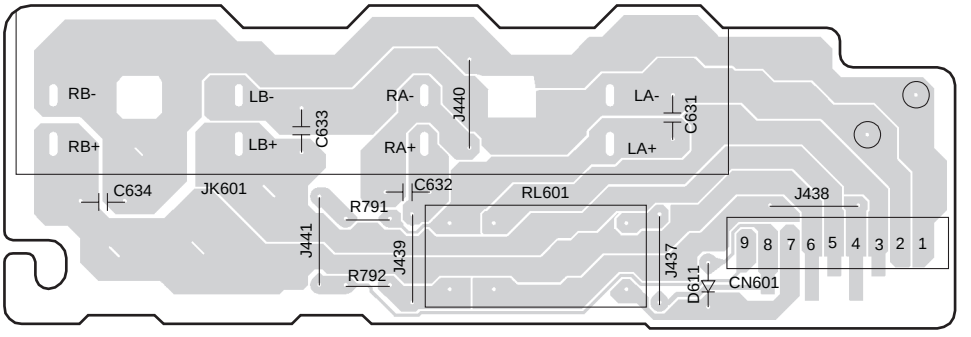

MA167ATA



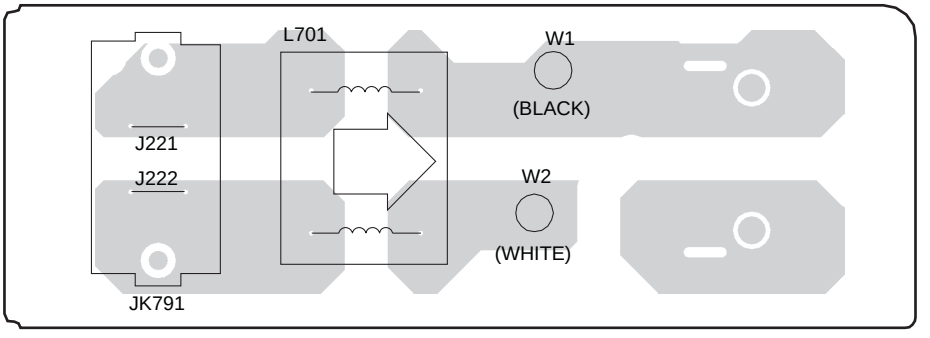

1N5402BM21
RK306LFU1



## N SPEAKER TERMINAL P.C.B. (REP3162E-P...E,EG) (REP3162F-P...EB)

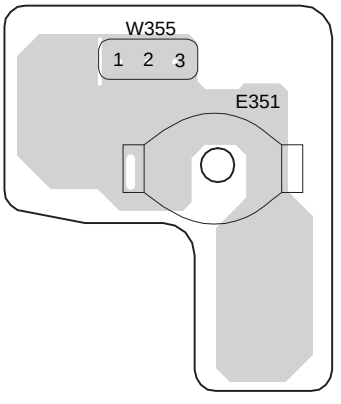



## Q AC IN/OUT P.C.B. (REP3162E-P...E,EG) (REP3162F-P...EB)




AC IN ~
230V 50HZ - E,EG
230V-240V 50HZ - EB

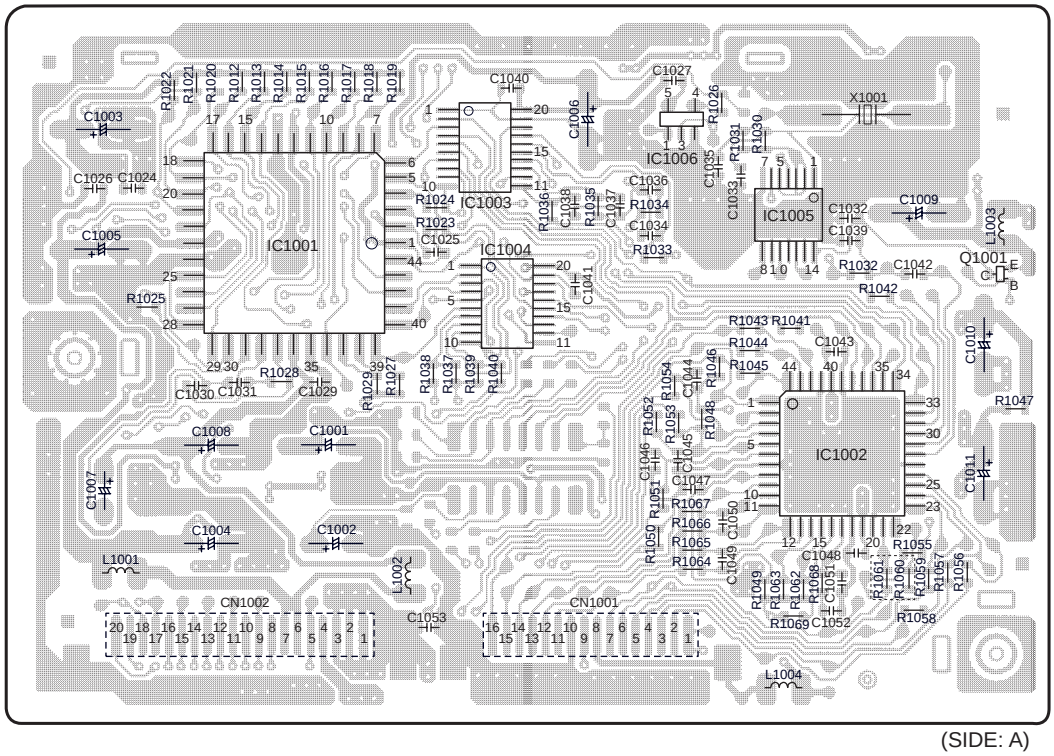
## U EARTH TERMINAL P.C.B. (REP3020L-S)



A B C D E F G

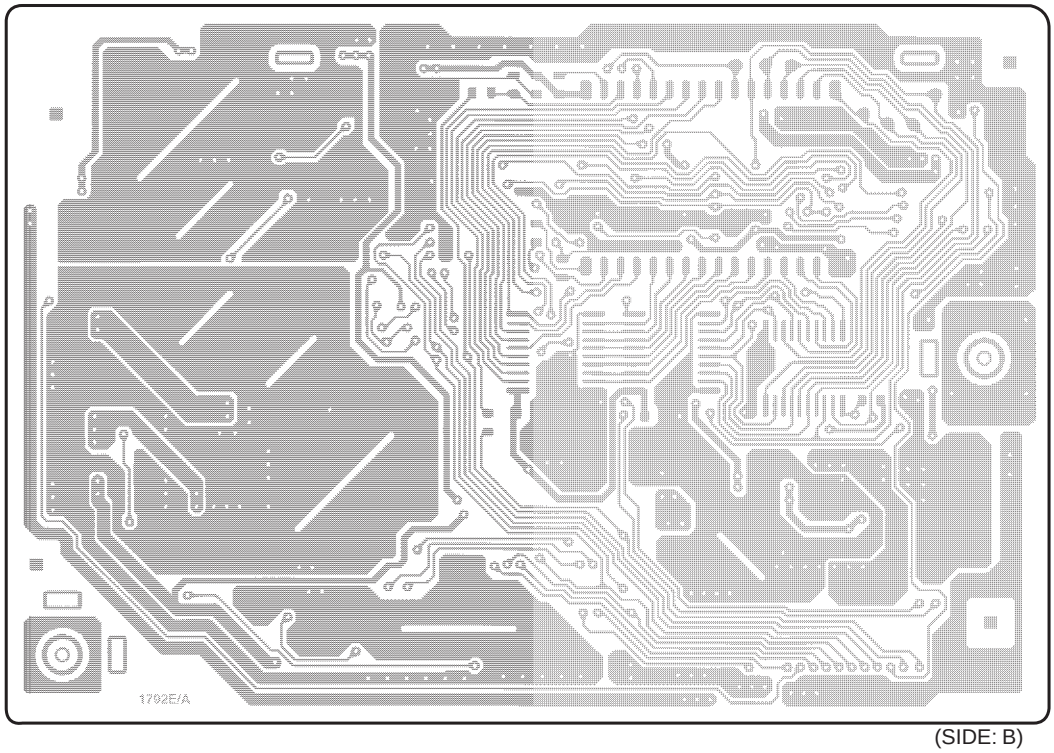
1 2 3 4 5 6 7 8 9

## P DTS MODULE P.C.B (REP2703D-T)



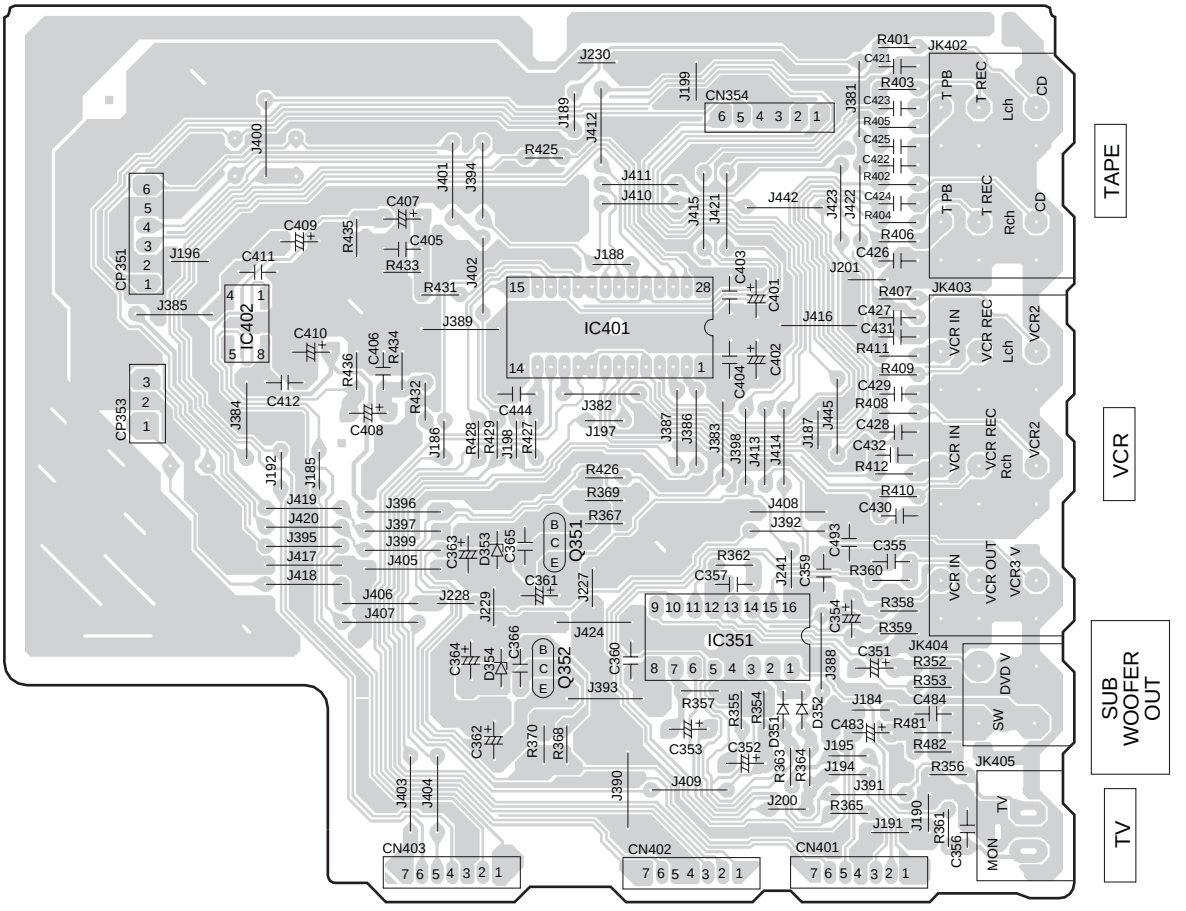

(SIDE: A)

## P DTS MODULE P.C.B (REP2703D-T)

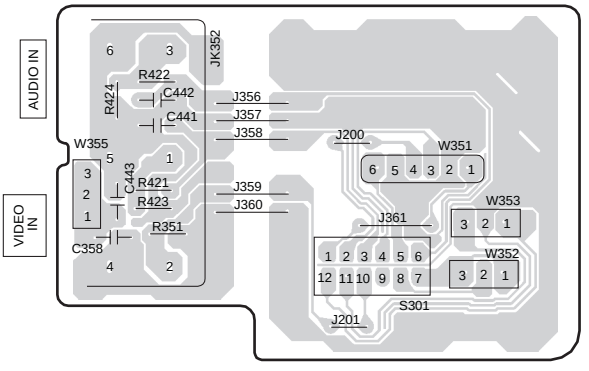



(SIDE: B)

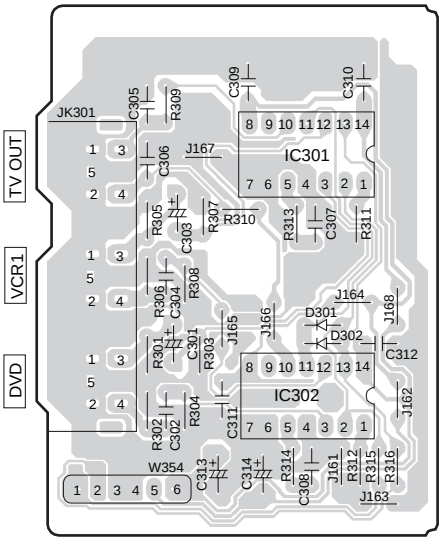
# A INPUT SELECTOR P.C.B. (REP3162E-P...E,EG)
(REP3162F-P...EB)



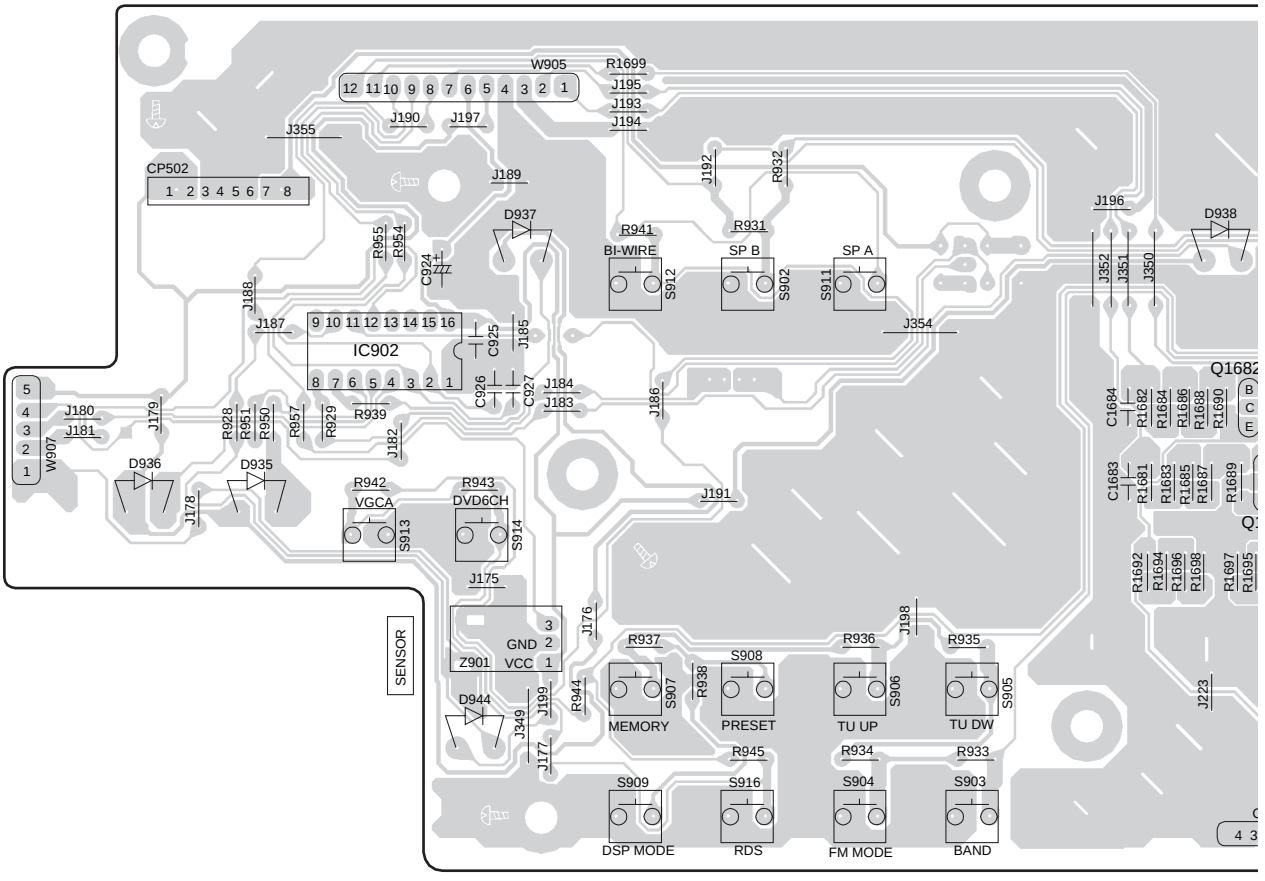
## E FRONT VCR3 INPUT P.C.B. (REP3020L-S)



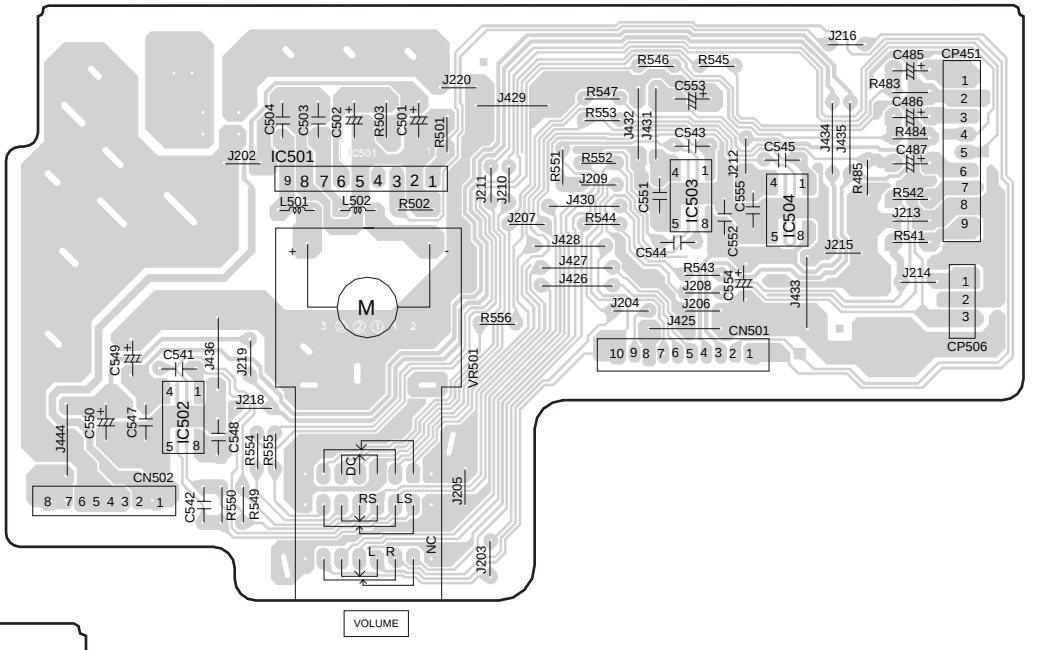

## F S-VIDEO P.C.B. (REP3020L-S)

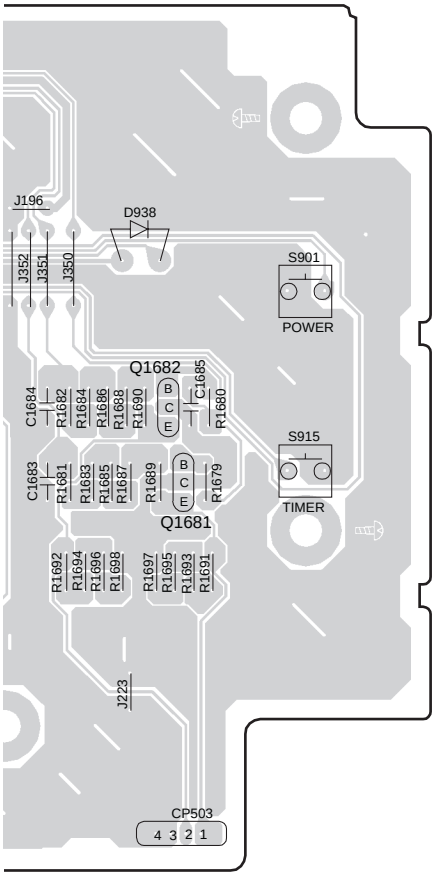



## G KEY P.C.B. (REP3020L-S)

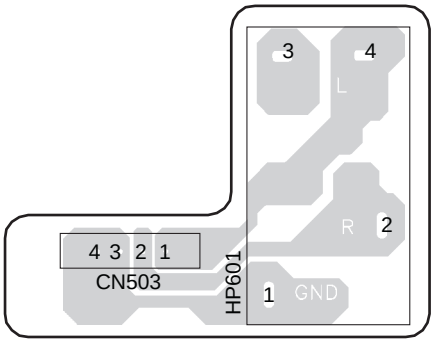


## I VOLUME P.C.B. (REP3162E-P...E,EG) (REP3162F-P...EB)




## J HEADPHONES P.C.B. (REP3020L-S)



A B C D E F G

1 2 3 4 5 6 7 8 9

# D MAIN P.C.B. (REP3161D-M)